

QUOTE

"Plan ahead—it wasn't raining when Noah built the Ark."
—General Features Corp.

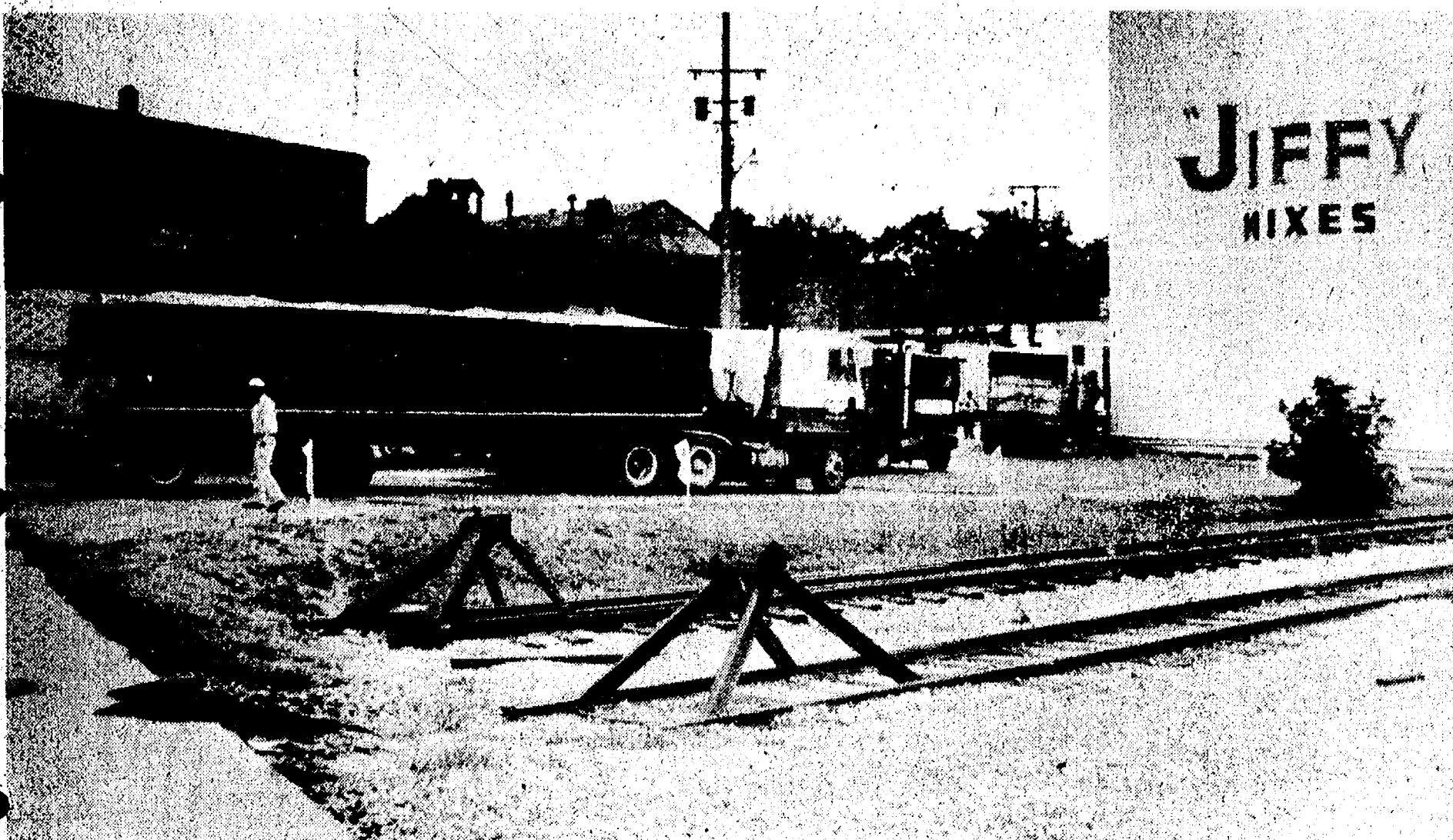
The Chelsea Standard

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ONE HUNDRED-FIFTEENTH YEAR—No. 9

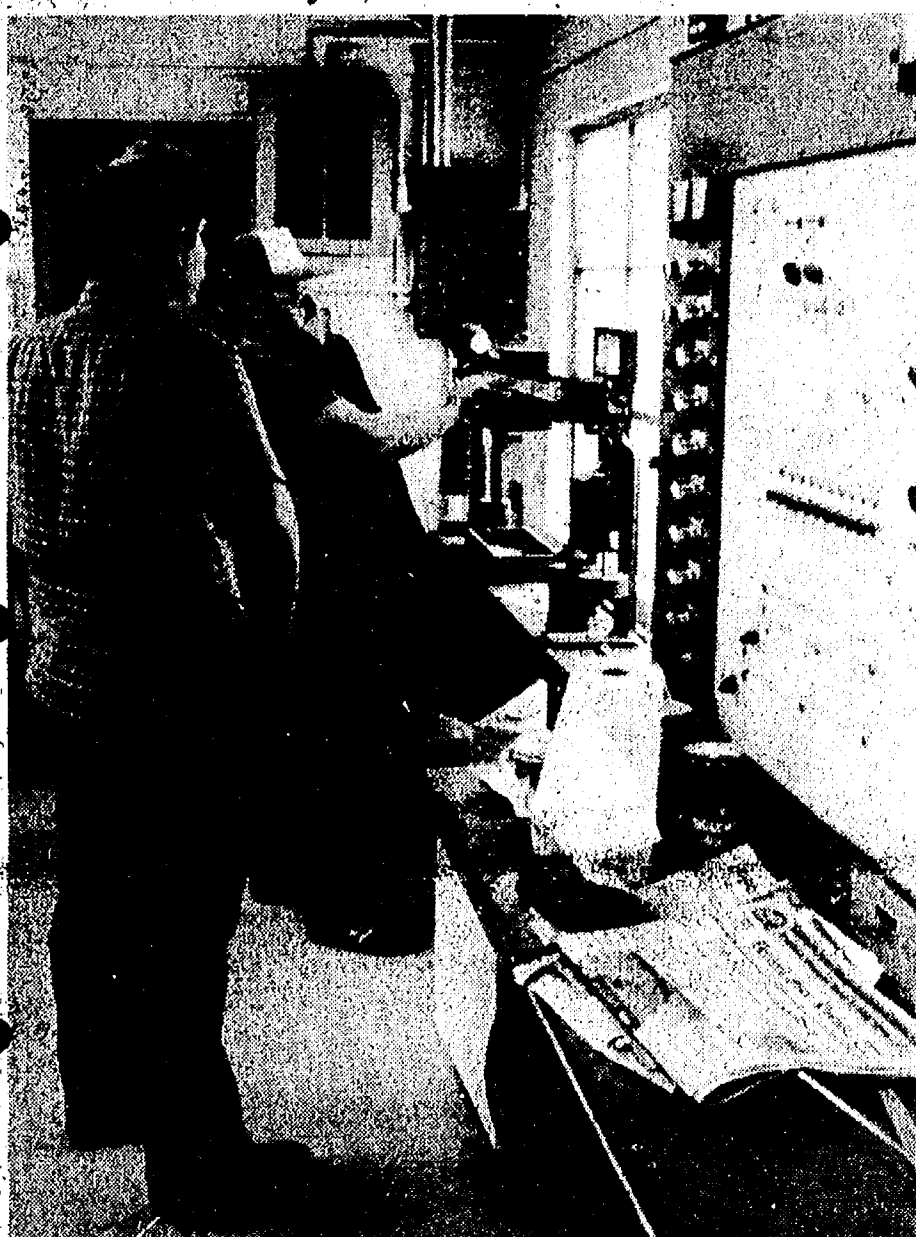
CHELSEA, MICHIGAN, WEDNESDAY, JULY 31, 1985

18 Pages This Week Plus Supplement

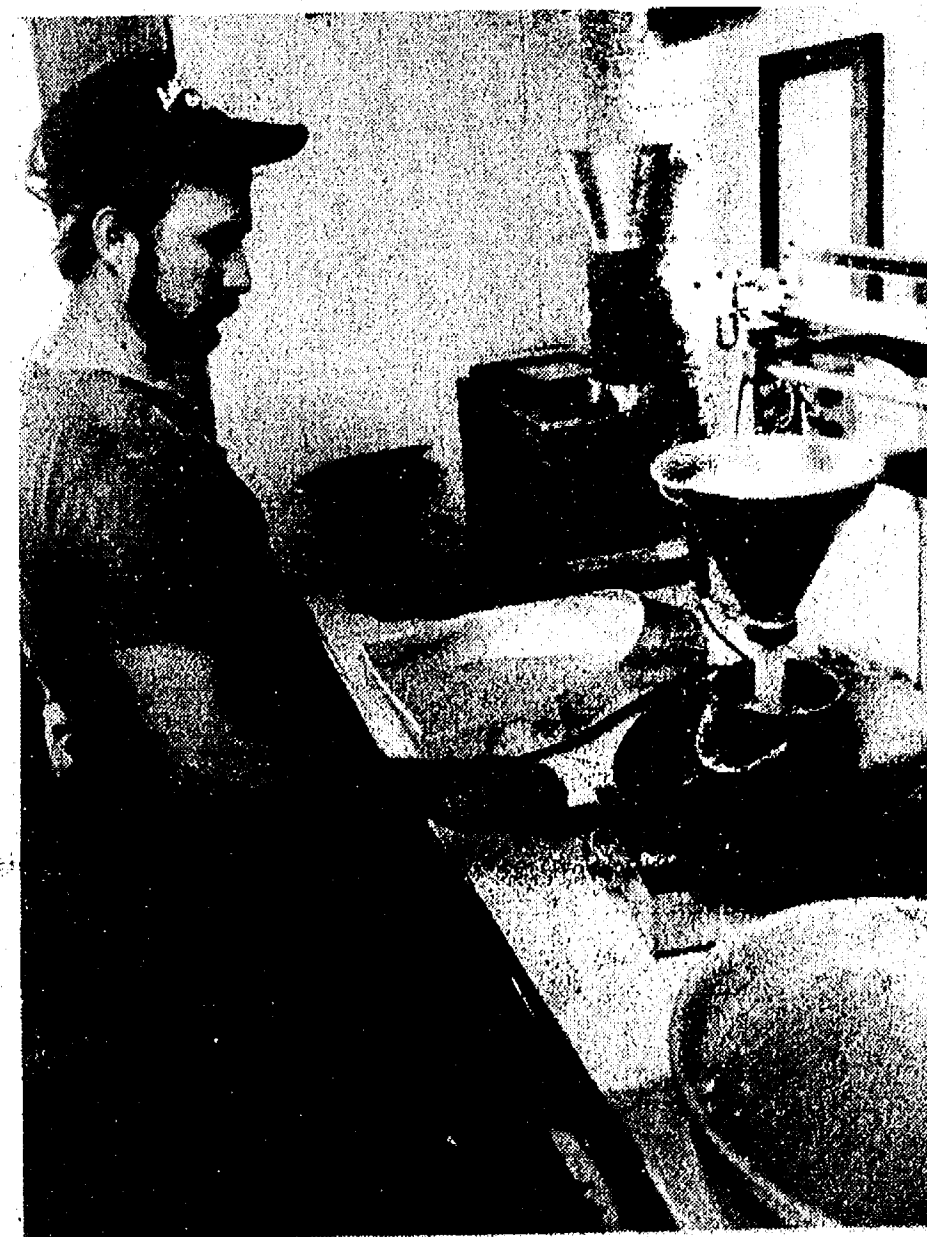


THE ANNUAL MID-SUMMER PARADE of trucks delivering wheat to the Chelsea Milling Co. at times last week stretched north on M-52 as far as Sycamore St. while drivers waited in line to

unload their cargoes. The big trailer at left came in from Pidd Bros. of Stockbridge.



WEIGHING IN: Max Mock, wheat mill supervisor, checks the weight of a load of soft white wheat brought to Chelsea Milling Co. as Terry Cain of Lansing looks on. Cain's truck was carrying a little more than 100,000 pounds.



TESTING THE WHEAT: Paul Lehman, assistant supervisor of the Chelsea Milling wheat mill, checks moisture content and quality of delivered grain.

Sidewalk Sales, Arts Fair Slated Friday, Saturday

All that is needed to make the Chelsea Sidewalk Days on Friday and Saturday a big success is good weather, and long-range forecasts are favorable.

As of Monday, 42 exhibitors had registered to sponsor booths in the arts and crafts fair, chairman Marcy Stump said, and there could be one or two more. Exhibitors are coming from as far away as North Carolina.

The booths will be set up on South and Park Sts., and also on Main St. in front of the secretary of state's office, district courthouse and post office.

"We'll be more spread out this year," Mrs. Stump said. "That will give the exhibitors a little more room, and will make it easier for shoppers to get around and see everything."

She noted that the artists and craftsmen are not the same as those who participated in last week's Ann Arbor Art Fair. "Persons who went to the Ann Arbor fair will find different items on display here, and they will find

many interesting, unusual and high-quality pieces. They won't be looking at left-overs from Ann Arbor."

Downtown merchants will have their wares out on the sidewalks and priced to sell as genuine bargains.

Free entertainment will include country and western music by Steve Bachleda, a concert by the Chelsea Senior Citizens kitchen band, and show by Boyer and Fitzsimmons, local magicians.

Bachleda will perform from 11 a.m. to 2 p.m. both days, the kitchen band at noon on Friday, and Boyer and Fitzsimmons at 3 p.m. Saturday.

An antique car show and parade will be a Saturday afternoon highlight, starting at 1 p.m. More than 100 antique and classic cars are expected to participate.

Fireside Heritage Crafters Guild will be demonstrating pioneer crafts in the Longworth Plating building during the Chelsea Sidewalk celebration.

Featured and demonstrated will be spinning from natural fibres, loom weaving, quilting, basket weaving, traditional rug hooking, rag rugs, home-made soap, other textiles and needle-crafts.

Fireside is a group of individuals of the Chelsea-Manchester-Grass Lake area interested in learning and preserving our ancestors' heritage crafts.

Chelsea Area Historical Society will be sharing the Longworth display area with Fireside.

Hours of the sidewalk sale and street fair are 8:30-8:30 on Friday and 8:30-5 on Saturday. Parking will be available in village lots, on the streets outside the exhibition areas, and in private lots, all close to the centers of activity.

As for the weather, advance predictions are that it will be good with day-time temperatures in the low to mid 80's and little or no rain. That outlook could change, of course, between now and Friday.

C. Winans Resigns Post

Charles S. (Chip) Winans, II, has resigned as assistant village administrator to accept a position on the staff of the Washtenaw County Equalization Department, effective Aug. 12.

He said he will serve out his elected term as village assessor, which expires next March.

Winans, 35, has worked in various part-time and full-time jobs as a village employee since 1968. His position as assistant administrator Frederick Weber was established in 1977.

Among his duties was serving

as village planning director. In that capacity he acted as executive secretary to the Planning Commission.

Winans was reluctant to talk about his reasons for leaving.

"Let's just say I have a better opportunity and let it go at that," he said in response to a reporter's questions.

"I will miss working for the village and will especially miss working with the Planning Commission. That part of my job has been especially enjoyable."

Winans' resignation letter was

dated July 22 and was announced by Weber at the July 23 special meeting of the council.

"I'm really sorry that Chip is leaving," Weber commented. "He has done a great job, and we certainly will miss him. He did his work thoroughly and without error. He is quiet and unassuming, but very capable. I certainly will miss his help."

Weber added that he "can understand" why Winans decided to move on. "Let's face it, he was dead-ended here. The only posi-

(Continued on page three)

Special Police Force Formed To Work On Escape Problem

All kinds of things were happening last week as the controversy over what to do about escapes from Camp Waterloo and Cassidy Lake Technical School continued to bubble.

Among the developments:

A new "task force" composed of sheriff's officers from Jackson and Washtenaw counties was set up to catch walk-aways from the two institutions and also from the Root Farm located outside the walls of Southern Michigan Prison at Jackson.

Residents in the vicinity of Cassidy Lake began circulating petitions to have the prison closed over a two-year period.

There was another successful escape from Camp Waterloo.

A Cassidy Lake inmate's bid

for freedom was cut short as he was recaptured on the prison grounds.

To date in 1985, there have been 83 total escapes from Camp Waterloo and Cassidy Lake—47 from Waterloo and 36 from Cassidy. That compares to an all-time year-long high of 98 in 1979. The record appears likely to be broken with five more months of 1985 remaining.

Escapes from Camp Waterloo have declined since April and May, when the facility was being used as a short-term transfer center for inmates scheduled to be sent to other institutions. There were 27 walk-aways during those two months.

When Waterloo was returned to its intended purpose as a

conservation-correction camp, the fugitive rate dropped to a normal of three or four a month.

Cassidy Lake escapes are running about normal, averaging five a month during warm weather. They tend to drop when cold weather comes in late fall.

Department of Corrections officials have said such escape rates can be considered more or less normal for minimum-security (unfenced and unguarded) prisons. There are no high fences or armed guards at either institution.

The task force announced a week ago Tuesday is directed by Commander Carl Rinna of the Washtenaw sheriff's department. It includes Washtenaw Deputy Paul Wade of Lyndon township, a Jackson county deputy sheriff and a Department of Corrections officer. All are assigned to work full-time on the task force. Wade is a detective assigned to investigations in western Washtenaw county.

The group's assignment is to provide around-the-clock surveillance of the areas near the

Fair Premium Books Available

Chelsea Community Fair premium books are now available for distribution at the following locations in Chelsea: Farmers' Supply Co., Chelsea Hardware, Parts Peddler, Honegger's & Co., McCalla Feeds and Village Bakery. In Dexter, premium books are available at Huron Farm Supply and Dexter Mill.

Three More Escapes Recorded

The combined number of escapes from Cassidy Lake Technical School and Camp Waterloo climbed to 86 for the year following three more walk-aways last week-end.

Two of the escapees were caught. The third is still at large.

Victor E. Canda and John E. Alvarez, both 21, were caught by Chelsea police patrolman Frank Kornel about 5:45 a.m. Sunday morning, 10 hours after they were reported missing from Cassidy Lake.

Kornel, who was off duty and on his way home, spotted the pair walking out of a field onto I-94 at Kaimbach Rd. and arrested them.

Canda is serving a sentence for attempted unarmed robbery. Alvarez is a convicted burglar. Both will be transferred to higher-security institutions with added time tacked on to their prison terms.

Parish Stagman, 23, serving 2-5 years for attempted burglary, escaped from Camp Waterloo about 5 p.m. Sunday and had not been recaptured as of late Monday.

Area Gets Rain, Low Temperatures

Nearly an inch of rain fell on west Washtenaw county late last Thursday night and early Friday morning, raising July precipitation close to five inches, which is about twice the normal amount.

For the year so far, precipitation is more than five inches above normal.

Temperatures continued somewhat below late-July norms, with high readings in the low to mid 80's and night-time lows in the upper 50's to mid 60's.

(Continued on page three)



THESE FOUR MEMBERS of the Chelsea Charms won top national honors during the American Youth on Parade competition last week

at Notre Dame University. Left to right are Laurie Honbaum, Chrissy Dunlap, Kori White, and Winston Howard.

Honbaum, White, Dunlap, Howard Take Top National Baton Honors

For the first time in the 20-year history of America's Youth on Parade (AYOP) held at Notre Dame University in South Bend, Ind., four twirlers from the same corps took top honors in the nation from four different categories.

There were 5,000 contestants participating in various areas during the week of July 23-27.

Christine Dunlap, 12-year-old drum majorette for the Chelsea Charms, won a landslide victory for the National Drum Majorette title. Chrissy scored an overwhelming 96 points out of 100 and received a perfect score of "20" on oral commands. She also took the second-place medal in novice two-baton and third place in novice flag baton. Chrissy is daughter of Tom and Jill Dunlap of Grass Lake.

For the second consecutive year, a Chelsea Charm won the top modelling award—"The All American Girl" title. 12-year-old

Laurie Honbaum, daughter of Merritt and Arlene Honbaum, won the "Miss Majorette of Michigan" model award in May. "The Miss Majorette of the Midwest" model title in June and captured the national at Notre Dame in July. Laurie also took fifth place medals in novice fancy strut and two-baton.

Eight-year-old Kori White, daughter of Gary and Linda White, won the novice two-baton title as well as placing fifth in advanced world solo. She placed third in world intermediate strut and ninth in novice flag baton.

The Men's National Tiny Tot championship went to five-year-old Winston Howard of Ann Arbor. He is the son of Peter and Rita Wilson-Howard, director of the Chelsea Charms Corps. Winston defeated last year's winner from Iowa by a unanimous decision from the judges. He also placed third in boy's military strut and second in world solo.

Other Chelsea Charms placing in the top 10 in the nation are: Richelle Jones—Fourth in novice fancy strut.

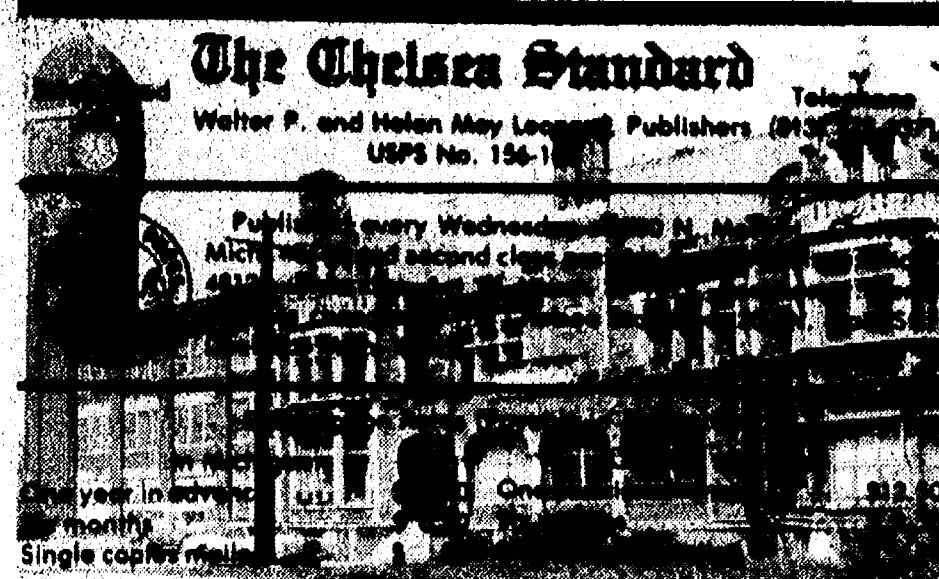
Heather Wynn—Ninth in beginning world solo.

Amy Weir—Fifth in modelling, sixth in beginning two-baton, third in intermediate fancy strut, and fourth in drum major.

Tracey Wales—Fifth in modelling, fourth in beginning fancy strut, ninth in novice two-baton.

The regional mid-west champion dance-twirl team, "The Electric-Shockers," took the over-all fifth place trophy from 58 teams in the juvenile division. Dance twirl members are Kori White, Chrissy Dunlap, Amy Weir, and Tracey Wales.

Eight members of the charms went to Notre Dame to compete against the top twirlers in the nation and returned to Chelsea with four trophies and 19 medals in various categories.



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JUST REMINISCING

Items taken from the files of The Chelsea Standard

4 Years Ago . . .

Tuesday, July 28, 1981—

A group of Japanese high school English teachers will be visiting Chelsea in August. These men have been chosen by their government to study at the University of Michigan this summer. They are interested in learning more about American customs and culture, school systems and English language improvement.

The first annual antique tractor parade, sponsored by the Chelsea Merchants Association, will be held Saturday afternoon, Aug. 1, beginning at 3 p.m.

Tractors will be paraded through town and will end at the Palmer Motor Sales parking lot for an after-parade showing.

League-leading Bulldogs—The 1981 Jr. Miss League sports team with a near perfect 7-1-1 record included Trisha Mattoff, Laura Walton, Jennifer Schwiager, Katie Kelley, Jill Penhallegon, Jackie Kelley, Laura Anderson. Coaching the team this year were Don Kvarnberg, Jim Collins and Matt Murphy. Sally Wilson, Kim Collins, Kerry Henderson, Cindy Kvarnberg, Kris Mattoff, Stacey Murphy and Kelly Murphy were also playing on the team.

14 Years Ago . . .

Thursday, July 29, 1971—

Old times were remembered by folks like Chuck Curtis and Carol

Ordway, as Ordway recalled threshing in the field of the farm at the corner of Grass Lake and Sharon Hollow Rds., Saturday, July 24.

Dust, wheat-beards and noise hung over the field and drifted down the gravel road, Saturday. People came from miles around.

It was the first old-time threshing party organized by Donald Irwin, but the event is planned to be an annual affair.

Irwin and a small army of his friends gathered together to provide the show on the farm owned by Cortez Bogle of Detroit but worked for 38 years by Irwin.

Palmer Drag Club members had a ball at their club picnic held Sunday, July 25, at Portage Lake. There was a near disaster when one of the barbecue pits became too hot, but with the help of all 24 members, present, the chicken was saved.

Food for the picnic was prepared by Marie Smith, Jane Calison and Kate Elsfior. Highlighting the menu was a cake baked by Marie Smith and decorated with a frosting replica of the drag strip.

Two members brought boats and gave boat rides. Members also enjoyed water-skiing and swimming. Katy Snyder lost her wedding and engagement rings while swimming, but her husband, Bill, rescued her diamond.

Douglas C. Collyer, son of Mr. and Mrs. Anton Schlosser of Grossman Rd., Manchester, is one of four boys chosen to represent the Ann Arbor area at the 12th World Scout Jamboree to be held in Japan this month.

Scouts will leave July 30, spend-

State Studies New Regional Prison at Kinross

A feasibility study for a 55-bed regional prison at the former Kinross Air Force Base at Kinross has been approved by the State Administrative Board.

The proposed facility is in addition to the 10 regional prisons planned by the Department of Corrections in the largest expansion project in Michigan history.

Kinross is already the site of one prison and the study contract is to identify three sites for a second prison. Also to be determined is how much could be saved because of existing utility facilities, according to department spokesperson Gail Light.

She said initial reviews indicated several million dollars could be saved on a prison which typically costs \$38 million to build.

The proposal is an outgrowth of a suggestion by Representative Pat Gagliardi (D-Drummond Island) that school facilities at the abandoned air force base could be converted quickly to a prison, but the department determined that was not suitable.

The feasibility study, ordered by Governor James Blanchard, is to be conducted by Beckett Raeder of Ann Arbor, and is to be completed by early September in time for any possible legislative action when the Legislature reconvenes its 1985 session on Sept. 18.

In a related matter, former Wayne County Prosecutor William Cahalan was named by Blanchard as special advisor on prison security.

Cahalan immediately announced he would begin studying potential problems, in the state's minimum security prison situation.

Blanchard, who created the post just recently, said that he wants Cahalan to study two problem areas—the adequacy of the state's inmate classification system and expansion of an ex-

ecutive proposal to use special teams to patrol areas surrounding minimum security prisons.

Cahalan said he would first have to determine the extent of any problems involving minimum security facilities, where escapes have been on the rise.

Cahalan said one conclusion that he might make from the study is that the state's classification system is in good order, but that it lacks the spaces to properly house inmates categorized as medium or maximum security risks.

In his initial announcement, Blanchard said he wanted to have the study done within 30 days but his legal advisor, Larry Glazer, said the Governor would be willing to wait a little longer for a report.

Cahalan said he would begin his study by meeting with Corrections Department Director Robert Brown.

Blanchard said Cahalan, who served as Wayne county prosecutor for 16 years, was the "best qualified individual to be advisor on these complicated issues."

Kelley Asks Court To Order Cleanup of Niles Landfill

Attorney General Frank Kelley has filed suit seeking a cleanup of a chemical landfill by the former owners of the former Southwest Cass County Landfill near Niles.

Kelley is asking the Cass County Circuit Court to order the cleanup of 60 rusting barrels of liquid, hazardous, flammable waste from the property.

If the owners, residing in Indiana, refuse, Kelley said the state will cleanup the site using funds appropriated under the Environmental Response Act and "hold the owners financially liable for all costs."

Kelley said the owners have ignored repeated notices from the Department of Natural Resources to clean the site. The landfill was licensed as a general refuse landfill, until it was closed in

1979, however, it was not licensed to receive liquid or hazardous waste.

The barrels contain various toxic and carcinogenic chemicals, as well as chromium and lead, Kelley charged. He noted that traces on many of the chemicals have been found in groundwater monitoring wells at the site.

Police Officers Keeping Box Score On Escapee Nabs

Frank Kornexl has taken a commanding lead in a friendly contest within the Chelsea Police Department. Frank has been in on the capture of eight walkaways from area penal institutions, and no one else is even close.

The contest has been going on most of the year, and Frank has a 3.5 escapee lead over David Dettling, who checks in with 4.5. An officer earns .5 of an escapee when he makes the capture with another officer.

"It's really not fair, because Frank's been on the midnight shift a lot over the last six months," said Chief Lenard McDougall, who is in next-to-last place with 1.5 escapees.

Behind Dettling is Rick Walters with 3, Chris Kruger with 2, McDougall, and Mike Foster falls in with .5.

The results are posted on a board in a back room. Each time a capture is made, a small "escape busters" emblem is placed beside the appropriate officer's name.

McDougall said he hasn't yet figured out what the contest winner will receive, but promises something appropriate.

Council Approves Main St. Banner For Sidewalk Days

The village council has approved a banner across Main St. to advertise Sidewalk Days on Friday and Saturday.

Under village law, all such banners must be approved by the council, and so do some other special events. Two weeks ago, for instance, the council approved holding the Chelsea Community Fair.

It has to be wondered what would happen if for some perverse reason, the council denied permission for a routinely scheduled event, or if somebody forgot about the necessity to ask.

Bill Pierce of Germany Visiting Relatives in Area

Bill R. Pierce of Heidelberg, Germany is visiting his sister and brother-in-law Betty and Bill Freeman of Cavanaugh Lake. Bill arrived July 14 and will be visiting the Freemans and relatives in Iowa and Texas before leaving for home Sept. 6.

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MICHIGAN MIRROR

By Warren M. Hoyt, Secretary, Michigan Press Association



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Uncle Lew from Lima Says:

DEAR MISTER EDITOR:

Early in the session at the country store Saturday night, Ed Doolittle offered in evidence clipping where the Massachusetts Supreme Court ruled a feller couldn't be libeled. The decision was that he was a murderer with a reputation so bad nothing could make it worse. The court went on to declare that the opinion would cover other criminals and assorted notorious persons.

You know, Ed told the fellers, what is going to come of that. The mad dog killer will insist that everybody has some redeeming social value, as they say about dirty books, and that he is going to fight this thing to his dying breath, all the way to the U.S. Supreme Court if need be. That's what we've been hearing in this country for a long time, Ed said, and he had saw where the court of last resort can't stand it any more.

According to a recent report, Ed said U.S. Supreme Court justices are terrible overworked, doing four times the business the Warren Court did when it was overworked. The study went on to say the trouble is the court's fault because it takes on more than it can do. What's happened, Ed said, is that the court has tried to be a "error correcter," which means it wants to right ever single wrong that comes along. This, the Justice Department study said, is not what the supremest court in the land is about.

Actual, what the highest court ought to do is wait for patterns of errors to show up and then rule on the pattern instead of ever error. One feller with a reputation to bad to libel in the opinion of one court ain't a movement, even if it is a mistake, Ed went on, so the Supreme Court needs to see if a change in direction of the law shows up. A line might have to be

drawn when some low court uses Massachusetts vs. whoever to rule for defendants that called E. F. Hutton a shameless thief, Ed said, but till the Supreme Court gets a handle on this pattern we might read some refreshing reporting.

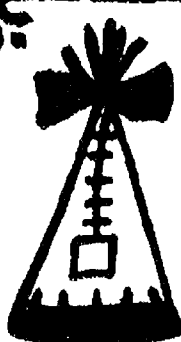
Actual, Zeke Grubb allowed, he could see where the Supreme Court would get bogged down, and he was agreed it's the court's fault. But it ain't the work, Zeke went on, it's the time to do it. It don't matter what you do, Zeke said, you're going to be pushed to do a year's worth in two months, which probable is more than the highest honorables spend on the job.

Natural, while the court is taking 10 months to recover from two months of heavy thinking the work is backing up. Bug Hookum had saw where persecutors in a case in Chicago say they are taking to the courts to educate the public. They have sued the Federal Government for violating international law in Nickeraga, Bug said, and they are demanding a jury trial so at least a dozen more people will understand the crime. The angle here that might be a error that starts a pattern, Bug went on, is that the defense agrees the legal point needs to be made and it is helping educate the jury so it's coming down both sides agin the Government.

Furthermore, the Supreme Court may have to step in a Florida case where the church is suing the military. Preachers don't do any heavy lifting, but they are called on fer stooping, and a Piscobal priest wants \$200,000 because he hurt his knee on a Navy tennis court and can't neel in his work. The Navy is asking \$5,200 because the priest was trespassing on the court.

The lawyers are offering prayers of thanksgiving.

Yours truly,
 Uncle Lew.



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New Police Car Bought by Village From Saline Firm

The village has bought a new police patrol car, a four-door Chevrolet Impala, for \$11,916.11 from the Bill Crispin Chevrolet agency of Saline. The car has been delivered and is being equipped for police duty.

A two-year-old Plymouth Gran Fury is being retired from police service but will not be traded in. The car will be kept for use by village employees on official business. It has logged a little over 62,000 miles.

Council Approves Purchasing Loader For Landfill Use

The village council has approved purchase of a new front-end loader for use at the Chelsea landfill. It will be bought from the Miller Equipment Co. of Livonia for \$67,550.

Technically called an "articulated wheel loader," the machine has a bucket on the front end which can be operated from the cab to scoop, lift, push and dump.

Money to buy the Fiatallis FR-15 model will be borrowed from the village electric fund, to be repaid with interest at current rates.

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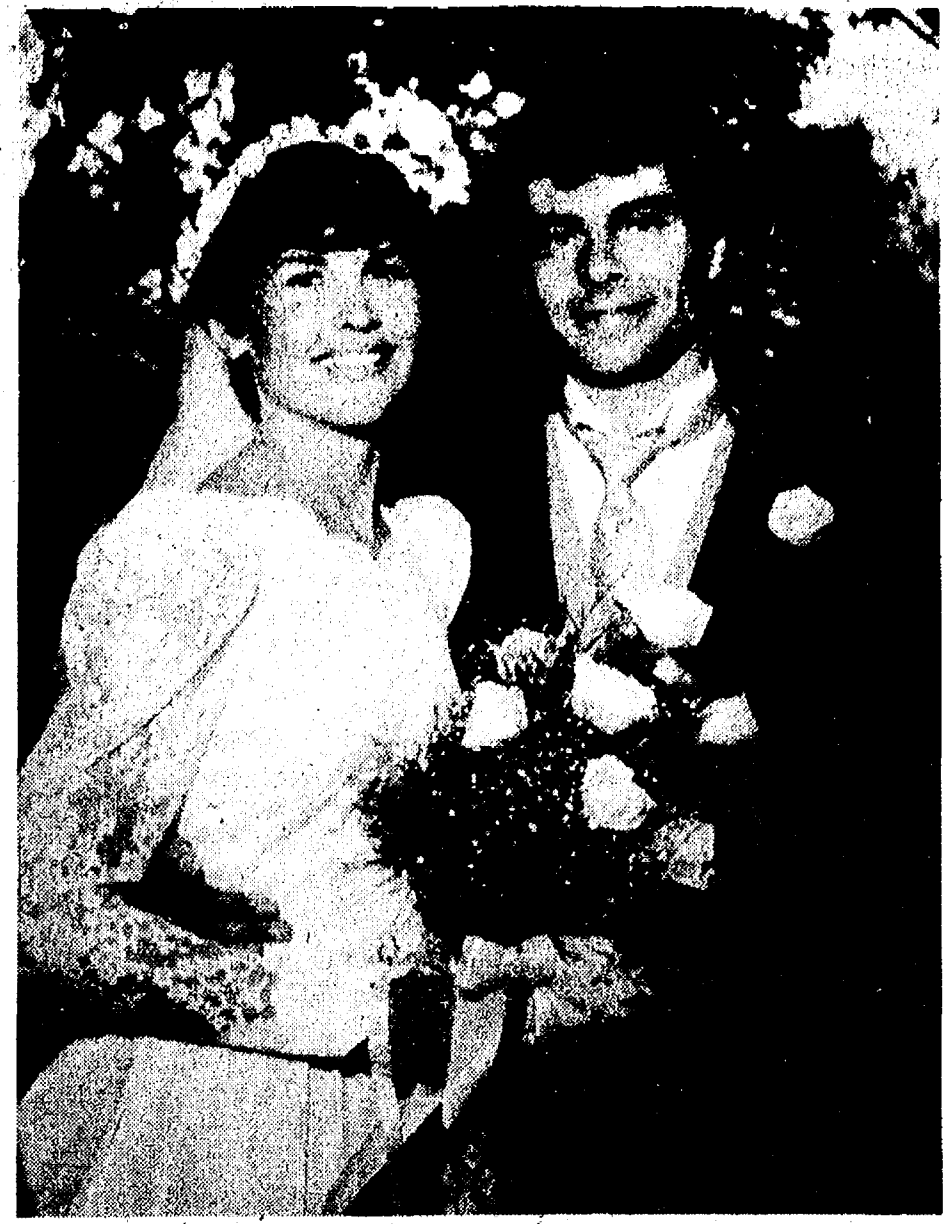
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Mr. and Mrs. William D. B. Porter
Laurie Mann Married To William Porter July 13

Laurie Ann Mann and William David Bernard Porter were united in marriage on July 13 in the First Presbyterian church of Ann Arbor. The Rev. Carl Geider performed the ceremony.

The new Mrs. Porter is the daughter of Mr. and Mrs. Paul E. Mann of 637 Flanders St., Chelsea. The bridegroom is the son of Mr. and Mrs. W. H. L. Porter of Blandford, England.

Honor attendants were Susan Mann of Mesa, Ariz., and Thomas DeRosa of New York, N.Y.

Frances Lavezzorio of Chicago, Ill., Jane Mann of Ann Arbor and Lori Novak of Ann Arbor were bridesmaids. Ushers were John Mann of Chelsea, Martin Porter of Blandford, England, Martin Atkin of London, England, and Jonathan Franklin of New York, N.Y.

A reception was held at the Ann Arbor Women's City Club following the ceremony. Following a two-week wedding trip to the Canadian Rockies and Alaska, the couple is living at 95 Horatio St. in New York City.

The bride is a manager in the utilities division of the corporate finance group of the Canadian Imperial Bank of Commerce in New York City. Her husband is an assistant vice-president in the foreign exchange department of the Morgan Guaranty Trust Co. in New York.

Class of '75 Holds 10th-Year Reunion

Chelsea High school's class of 1975 held its 10th-year reunion Saturday, July 6, at the Sheraton University Inn in Ann Arbor. Nearly 100 of its 193 graduates attended along with 40 guests and spouses.

Joann Tobin Chosen For EMU Scholarship

Joann M. Tobin, of 312 S. Main St., has been selected to receive a Departmental Uniqueness Scholarship Award from Eastern Michigan University's Office of Financial Aid.

The \$750 awards are given to students who have a high school grade point average of at least 3.0 and an identifiable interest in majoring in one of EMU's departmental areas of specialty.

Rain, Cool Nights Good for Crops

(Continued from page one)

It has been an unusually mild summer so far, with enough rain at the right times to satisfy needs of farmers and gardeners.

Long-range forecasts for August call for more of the same, with slightly below-normal temperatures and average rainfall during the month.

From the people making crystal a legend.

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WINANS JEWELRY

ABWA Chapter Observing Ninth Anniversary

Nine members of the Chelsea Charter Chapter of American Business Women, guests Linda Dean and Mary Ross of the Apollo Chapter of Jackson, and Diana R. Newman of Chelsea enjoyed a picnic pot-luck Tuesday, July 23 at their regular monthly meeting. The event was held in the Woodland Room of Chelsea Community Hospital. To commemorate the chapter's ninth anniversary, Lehma Behnke baked and decorated an anniversary cake.

Esther Kujawa, who owns her own accounting business, was the avocation speaker. She does accounting for a number of businesses and also does income tax returns for a number of firms. She stressed accuracy as the most helpful tool in filing an income tax return, daily expenditure records will help you achieve this. She also conducts seminars in accounting.

Vicki Favers, chapter president, conducted the business meeting.

Member-at-large status was granted to Genevieve Quackenbush and Becky Allen.

It was decided not to have a float in the Chelsea Fair parade. Cindy Bear, 1985 Woman of the Year will ride in the parade.

Election of officers for '85-'86 resulted in the following being elected: president, Martha Powers; vice-president, Cindy Bear; secretary, Shirley Schneider; corresponding secretary, Carol Model; and treasurer, Esther Kujawa.

The new officers were installed by outgoing president Vicki Favers. Carol Model presented Vicki with the past president's pin.

Other committee chairmen will be appointed by the new president before the next regular monthly meeting.

Cindy Bear, Woman of the Year, will represent the Chapter at the National Convention in San Antonio, Tex., in October.

Georgia Beeman gave the invocation and benediction.

The next meeting will be held Aug. 27. Guests are welcome.

Further information may be obtained by calling 475-2812.

Botanical Gardens Sponsoring Docent Preparation Course

Friends of the Matthaei Botanical Gardens is sponsoring a docent preparation course which will begin this fall. The volunteer docent program, a major link between the gardens and the public, is aimed at interpreting the collections of the conservatory and the grounds to visitors. Upon acceptance in the program, docents serve a three-year commitment, which includes class time and leading tours to groups of all ages.

The five-month course, meeting once a week, begins Sept. 25 and continues through March 26, 1986. The month of December will be off as a holiday recess.

The course will include a review of basic botany, special topics pertinent to the Garden's collections, tour techniques, and practice sessions.

All persons interested are urged to call the Gardens as soon as possible for an application and further information, requests to Marian Gathshall (313) 764-1168.

C. Winans Resigns Village Position

(Continued from page one)

tion he could aspire to is mine, and I don't intend to leave it any time soon. He's a young man with a fine future. I certainly wish him well."

Weber said he will move to fill the vacancy as quickly as possible "because we are badly short of help and need to get somebody right away." There are no apparent qualified candidates among the present village staff, he noted, saying that the opening probably will be advertised and applicants sought.

Botanical Gardens Display Continues

The interesting and educational exhibit in the lobby of the Matthaei Botanical Gardens for the month of August will be a continuation of the exhibit "Michigan Plants in Danger."

For information of August only, there will not be a lobby sale.

Telephone your club news to 475-1371



CATHY BASSO, daughter of Mr. and Mrs. Gary Basso of 11000 Trinkle Rd., is a member of the Michigan Youth International music group touring in England and Scotland. Cathy is shown here outside Westminster Abbey. The group will give a "home concert" on Aug. 4 at St. Mary's Cathedral in Downtown Detroit.

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Senior Citizen Activities

Weeks of July 31-Aug. 9
MENU

Wednesday, July 31—Barbecued chix, French green beans, cole slaw, roll and butter, fruit cocktail, milk.

Thursday, Aug. 1—Chef's salad bowl (turkey, ham, cheese, tomato and egg), roll and butter, apricots, milk.

Friday, Aug. 2—Sizzle steak sandwich, mashed potatoes, buttered peas, bread and butter, cinnamon applesauce, milk.

Monday, Aug. 5—Spaghetti with meat sauce, buttered green beans, French bread, fresh fruit, milk.

Tuesday, Aug. 6—Pork cutlets and gravy, buttered cabbage, peach and cottage cheese salad, muffin and butter, dessert, milk.

Wednesday, Aug. 7—Shepherd's pie (hamburger, potatoes and vegetables), calico cole slaw, whole wheat bread and butter, fruit compote (prunes and apricots), milk.

Thursday, Aug. 8—Tuna macaroni salad, hard-cooked egg, tomato wedges, roll and butter, watermelon, milk.

Friday, Aug. 9—August Birthdays Picnic at Veterans Park—Hot dogs on bun, hot German potato salad, tossed salad, peach crisp, milk.

ACTIVITIES

Wednesday, July 31—
10:00 a.m.—Ceramics.
10:00 a.m.—Cards.

1:00 p.m.—Fitness.
Thursday, Aug. 1—

10:00 a.m.—Cards.
1:00 p.m.—Quitting.

1:00 p.m.—Needlework.
1:00 p.m.—Kitchen band.

2:00 p.m.—Walking.
Friday, Aug. 2—

10:30 a.m.—Progressive
Euchre, play continues until
11:45 a.m.

Monday, Aug. 5—
9:30 a.m.—China painting.

11:00 a.m.—Cards.
11:00 a.m.—Attorney Wilson
Norcross.

1:00 p.m.—Bingo.
Tuesday, Aug. 6—

10:00 a.m.—Crafts.
10:00 a.m.—Cards.

10:00 a.m.—Blood pressure
check by CCH personnel.
1:00 p.m.—Euchre.

Wednesday, Aug. 7—
10:00 a.m.—Ceramics.

10:00 a.m.—Cards.
1:00 p.m.—Fitness.



Mrs. Richard C. Fielder

Dettling-Fielder Vows Spoken in Manchester St. Mary's Church

Mary Ann Dettling and Richard C. Fielder repeated their marriage vows before the Rev. Fr. Raymond Schlinkert at St. Mary's Catholic church, Manchester, in a 6:30 p.m. ceremony, Friday, July 5.

The bride is the daughter of Mr. and Mrs. Alfred W. Dettling of Dexter, and Mr. and Mrs. Clarence Fielder of Manchester are parents of the bridegroom.

Wearing her mother's wedding gown of ivory satin fashioned with lace yoke trimmed in tiny seed pearls and Cathedral train, the bride chose a fingertip-length veil falling from a Juliet cap.

She carried a cascade bouquet of white roses, carnations and stephanotis.

Mrs. Larry (Lynn) Wagner of Dexter served as her sister's matron of honor.

Her floor-length gown was of burgundy satin styled with lace yoke and she carried an arrangement of white roses and burgundy carnations.

The bridegroom asked his brother, Patrick Fielder of Manchester, to serve as best man.

Guests were seated by the bride's brother, Michael Dettling of Grand Rapids, Curt Fielder

and Craig Fielder, both of Manchester, brothers of the bridegroom.

For her daughter's wedding, Mrs. Dettling chose a floor length gown of periwinkle blue silk trimmed with seed pearls. Her white floral corsage had a contrasting blue ribbon.

The bridegroom's mother wore a purple silk crepe gown of floor length, and her flowers included a white corsage trimmed with lavender ribbon.

Mary Carey was the organist for the church ceremony and the vocal soloist was June Turnbull.

The newly married couple was honored at a buffet dinner for approximately 300 guests at the American Legion Hall in Manchester, following the ceremony.

Mary Frances Fielder and Susan Dettling cut and served the wedding cake.

Following a 10-day wedding trip to Niagara Falls, Toronto, Ont., and the eastern coast, the couple will make their home in Clinton.

Both the new Mrs. Fielder and her husband are members of the faculty at the Manchester Middle School.

Senior Citizens Plan August Birthday Party

Birthdays have been celebrated by many, and certainly enjoyed by all, explain Chelsea's Senior Citizens.

The August Birthday celebration will be a special one held at the Chelsea Veterans Park.

The Birthday Party will begin with a picnic lunch served at noon. Following lunch, the entertainment will include picnic games.

Everyone having an August birthday with the Chelsea telephone area will be called prior to the party on Friday, Aug. 9.

Those residing beyond the Chelsea telephone exchange will be welcome and the Chelsea seniors hope other August birthday friends will either call or write if they are able to attend. They will need to have those reservations by Aug. 9.

Included in the special guests at the August Birthday Party will be three people from North school who will be celebrating their birthdays during August. They are Ken Geer, school custodian, and Sally Schluppe, second grade teacher, and fourth grade teacher, Mary Hafer.

Among the August birthday celebrants are Verna Ashfal, William Balliet, John Barkley, Merle Barr, Sr., Norma Bernhard, Philip Blough, Rubena Boelter, Evelyn Breuninger, Albert Brown, Agnes Buehler, Evelyn Burns, Ruth Cameron, Antoinette Carey and Freida Carlson.

The list of people whose birthday falls in August continues with Kate Carpenter, Katie Chapman, Leo Clark, Don Dancer, Merle Davis, Vincent Dorer, Putt Dorr, Corrine Doyle, Barbara Egeler, Katherine Eisele and Marian Eiseleman.

Additional birthday celebrants in August are George Engquist, Louise Gage, Lucretia Grayer, Bernadine Hafley, Veryl Hafley, Evelyn Hale, Donna Harris, Mildred Herrick, Katherine

Hills, Sue Hoffman, Edwin Horning and Mildred Huehl.

Others who have August birthdays are Dorothy Hunawill, Iv. Keezer, Irene Kent, Lois Kollander, Marian Krieger, Nancy Lamarand, Verna Larson, Carl Lentz, Raymond Leszczynski, Alfred Lindauer, Lois Marshall, Nina McDaniels and Esther Meabon.

More seniors who list August as their birthday month include Le-on Meabon, Jurt Neumann, Betty Oesterle, Clara Page, Art Paul, Alta Pierce, Ivan Richardson, Doris Sannes, Mavis Schaff, Nancy Schutze, Joy Sicard and Magdalen Slocum.

It may seem that most of Chelsea celebrates a birthday in this month of August, but only a few additional people have listed their dates for the senior citizens group to recognize. They are Betty Smith, Lawrence Smith, Myrna Sparks, Gladys Stacey, Florence Steger, Edgar Sweet, Mer-ton Teare, Louise Trinkle, Viola Wackenhut, Earl Ward, Marguerite Weir, Lorenz Wenk and Jean Wisecup.

If your name has been omitted from the August senior citizen birthday list, you need to make Treva or Arlene aware of the fact, and you most certainly will be welcome to join in the giant August Birthday Party at the Chelsea Veterans Park, Friday, Aug. 9, beginning at 12 noon. Birthday cake and punch will be part of the refreshments served during the party.

Planning Reunion?

Planning a Family or Class Reunion during the summer or early fall months? The Chelsea Standard is pleased to help you with notice of the coming event as well as an account to assist in sharing who came and what and where it happened as a follow-up story. Why not give a call and give us the information.

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Robert and Millie Warner Observe 40th Anniversary

Mr. and Mrs. Robert Warner

July 14, 1945, when the government was testing the A-Bomb somewhere else, Robert and Millie Warner repeated their marriage vows in the Chapel of the Passionist Fathers Seminary on Schoolcraft Rd., Detroit.

Then the principal celebrant was the late Fr. Lambert Hickson. Mass was sung by the choir of seminarians with sounds still ringing of songs "Ave Maria," and "Pondieus Angelicus."

During World War II, food allotment stamps were used by all and food purchased with same were limited as each family had monthly allowances. Aunts of the bride pooled their stamps and went to the Eastern Market shopping. Aunts also cooked and served the marriage dinner, held in the home of the bride's parents.

These memories and more came rolling back on this past July 14 when a Mass of Thanksgiving was offered at St. Mary's, Manchester, by the Rev. Fr. Raymond Schlinkert and Bob and Millie renewed their wedding vows once more.

Later in the morning Mr. and Mrs. Robert Warner were joined by six of their seven married children. The youngest son and his wife were unable to attend as they await the coming of their first child in Three Rivers. Brunch was shared at a restaurant in Canton, followed with an open house at the Richard Schneider's home in Farmington. The head count grew considerably with grandchildren coming to join in the celebration. "God, has been very, very good to us all," Millie added.

Police To Hit Escape Problem

(Continued from page one)
camps and to track down escapees. One of its first jobs will be to select and train a "response team" of police officers who will be called into action whenever an escape is reported.

A state grant of \$150,000 to help finance the operations of the task force is anticipated. Gov. Blanchard is expected to sign a bill authorizing the money. Meanwhile, Jackson county is picking up the cost.

The impact of escapes from minimum-security prisons has been especially strong in Jackson county. Two inmates who walked away from the Root Farm have been charged with murder in connection with the June 4 slaying of a couple living nearby.

There have been no serious crimes committed by escapees from Camp Waterloo and Cassidy Lake so far this year. Most have

been caught shortly after getting out. About one in four escapes are "successful" in the sense that the criminals remain at large for several months.

Ironically, as formation of the task force was being announced at an evening meeting on July 23 at Camp Waterloo, the camp recorded its 47th walk-away of the year.

Carl Aul, 37, of Flint, serving 2-10 years for assault with intent to do great bodily harm less than murder, left Camp Waterloo shortly after 7 p.m. He was seen getting into a car driven by a woman who apparently had met him by pre-arrangement, but has not been apprehended. The successful escape was not reported to area police agencies until more than an hour later.

Frank D. Anderson, 19, of Detroit tried to become the 37th walk-away from Cassidy Lake

but was thwarted. He is serving 1½-15 years for armed robbery.

Cassidy Lake deputy superintendent John Andrews said Anderson was found missing at 11:30 a.m. last Wednesday and was caught hiding in a building on the school grounds early Thursday morning.

Anderson was wearing belly chains and handcuffs as punishment for misbehavior. He had been told that he would be transferred to a medium-security prison for disciplinary reasons.

"I don't know what he was thinking about," Andrews said. "He certainly couldn't have gone very far while wearing those restraints. I think he just panicked at the idea of going behind walls."

Anderson was found by fellow inmates who made a search of the grounds at the direction of prison officials.

The petition campaign to have Cassidy Lake phased out and closed in two years is spearheaded by the Community Liaison Council, even though state officials and politicians have said there is no chance of closure until the acute shortage of spaces in the state prison system is dealt with.

At present, about 100 new prisoners are being put into the system every day by the courts, compared to a release rate of about 60 a day. The Legislature has appropriated some money to correct that imbalance and is considering more, but the gap won't be closed for at least five years under the most optimistic projections.

The petition drive is based, in part, on a claim that the Cassidy Lake Technical School is an illegal use of Waterloo Recreation Area land which the federal government deeded to the state for recreational purposes. Camp Waterloo is also in the Waterloo Recreation Area.

What, if any, restrictions there are in the deed cannot be determined without examining the document.

The petitioners also argue that Cassidy Lake has been subverted from its original intended purpose as a training and rehabilitation facility for young offenders convicted of non-violent crimes. About half the present inmate population consists of men serving sentences for assaultive-type offenses.

Doug McVay

PHOTOGRAPHY

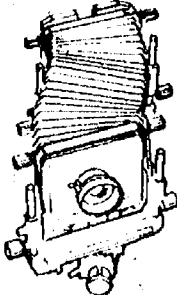
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A VIEW from the CLOCK TOWER

Bill Mullendore



Every few months I write in this column that I see signs of progress in Chelsea. Perhaps the wish has been father to the thought. So here we go again, and this time I am more optimistic than ever.

Why do I keep pushing progress? Simply because I know from study of the past (history) and observation of the present (sociology) that a human organism begins to die as soon as it ceases to grow. That is true of both individuals and societies.

Much as it might be wished, a community cannot stand still, stalled on dead-center, forever. Social dynamics are such that there must be movement, and it will be either forward or backward. Chelsea probably has bought more time to do nothing than its citizens had any right to expect when stagnation set in several years ago. The status quo has been maintained beyond all reasonable expectation.

From my Clock Tower view, I see some things, good things, happening.

There are five new residences under construction in the village, three single-family homes and a duplex. While that doesn't exactly constitute a building boom, it looks mighty good compared to the zero rate of the past six years.

Local realtors report brisk sales of existing properties, following a long slump. There is a market for housing in Chelsea, which is still seen as a nice place to live.

After having their collective feet held to the fire, the village council voted approval of a zoning variance which will allow construction of an eight-unit apartment building on W. Middle St. The trustees didn't take that step easily in the face of neighborhood opposition which urged a "no development" stance. I give the council members credit for courage, and especially commend Sis Kanten for making the motion to approve.

Proposals for multiple-housing developments on the south side of Old US-12 and on the east side of Wilkinson St. are still alive and breathing, according to village administrator Fritz Weber. Both have been in the mill for a long time, and nothing has happened lately to move either one forward, but neither has been declared officially dead.

"I think they (the developers) are still planning to go ahead," Weber told me. "At least I haven't heard anything to the contrary." Teklin Corp. of East Lansing is promoting one project, Thornton Realty the other.

A new water main is being installed south along Freer Rd. to service a house under construction and prospective future homes along the street.

Roberts Paint & Body Shop last week broke ground for a new building in Chelsea's industrial park, becoming the second business to locate in the park. BookCrafters' fulfillment house is the other.

Maybe more important is a comment that village president Jerry Satterthwaite made to me a couple of weeks ago.

"I believe we have to get much more active in promoting the industrial park, and I intend to push for it," Jerry said. "We've been sitting back and waiting for prospects to come to us, and that hasn't worked. It's time we got busy and did a selling job."

The downtown business district revitalization program, sponsored by the Chamber of Commerce and the Merchants Association, is inching ahead. Progress is slow, but there is discernible movement. The next important step is creation of a Downtown Development Authority, and a draft ordinance to accomplish that has been placed before the village council.

Most important of all, I believe, is the bright prospect that Chelsea will get a federal grant, perhaps as soon as next month, toward construction of a new wastewater treatment plant. The existing inadequate facility has imposed severe limits on community growth potential, to the point where the village must remove an existing gallon of waste for every new gallon discharged into the sanitary sewer system.

The sewage plant project has been kicked around between state and local officials for more than 10 years. It's hard to decide how to apportion the fault for the long delay, and it doesn't matter, really, at this point if the job finally gets done at long last.

Weber says he is confident the state grant will be offered this year, and some people I know from my former employment in the Department of Natural Resources tell me there is an excellent chance he is right. Nothing will be official, of course, until the grant is offered in writing. Bureaucracy has a remarkable knack for allowing things to fall through cracks.

The higher user fees and probable higher taxes required to pay for the new waste treatment plant will be painful, but they are necessary if Chelsea is ever going to grow very much.

I keep hoping that the village, or some entity of it, will get control of one of the community's two outstanding eyesores—the old railroad depot. Good friend and sometimes guest columnist Will Connolly continually assures me that it will happen "any day now." Maybe what is needed is another nudge from Congressman Carl Pursell to get Conrail off the dime.

The other eyesore is the building on the northeast corner of Main and Middle Sts., across from the village hall. It's a disgrace and a shame, and something surely should be done about it.

Despite those two negatives, the outlook is favorable on balance. There seems to be some momentum building.

Letters to the Editor

Dear Mr. Editor:

As a member of the Chelsea Family Community, there are some thoughts I would like to share with you, and your readers.

Are you not proud of the merchants and their staff of employees? This Chelsea Community must hold some sort of record for their courteous personnel. Do shoppers ever really appreciate employees who wait on them for one service or another? From retail clerks to waitresses it's a pleasure to let go of your hard-earned money when a smiling face says "May I help you?" and ending with "Thank you." Orchids to all of you. Keep up the super job.

If awards were given to one of the community organizations then surely Polly's would be at the top of the list with their Amigo shopping cart for customers who find shopping by foot difficult or impossible. The grocery bags which picture the "Missing Child" and give helpful information and tips for parents to educate their children in where they live, and their phone numbers. What a wonderful effort. Orchids to you all.

Since we are a Community of Caring it disturbed me to read that "the Fire Sirens may be quiet on fire calls in the future." I am sure that those who live near the sirens get the blunt of the waiting—but it's not for prolonged times and the sirens calling means someone is in NEED. That somewhere in our community someone's call for help is being answered. The siren says our firefighters are working and on the job. The siren tells all who can hear, "they someone needs my thought and prayer for their welfare, if I cannot help otherwise." The siren reminds us who do not need its calling for our own good, that we count our blessings. The siren is a connecting link between us all. Think about it. An orchid for a siren.

If orchids go to those who earn them, then "onions" should go to State Sen. Lana Pollack of Ann Arbor "who sponsors a bill to provide \$600,000 to fence minimum security institutions including Cassidy Lake and Camp Waterloo." The voices raise all over for the "victims" rights in a crime committed, yet Mrs. Pollack and her \$600,000 are making the taxpayers the "victim." If you did not believe The Standard's accounting then you should have caught the Channel 6 "Talk of the Town" viewing on prisons and you would have heard a repetition of same. A great big bushel of onions to Sen. Pollack. Did no one ever wonder what good old Lee Iacocca did with all that used fencing around the Chrysler Proving Grounds? Miles and miles of fencing has been replaced and as a civic-minded leader did anyone tap that resource for fencing? Used fencing? Just maybe it would work and Lana Pollack could sit on her \$600,000 taxpayer debt.

To all who pursue their fight for justice, be it closing or fencing a prison, or wanting the very best in education for your children, or wanting a greater respect for life and property, kindness to animals, acting as peacemakers, trying to better an impossible situation where you find it... Orchids to each of you. "Go for it" as the saying goes. Don't lose heart, for America's freedom of speech and press and the God-given right to life, liberty and happiness is yours and by the way, had you forgotten, those are the gifts given to us all.

They may rearrange your face, Chelsea, as we know you, but they will never change the spirit of your family community working together for the good of all.

millie warner.

CHS Class of '87 Seeks Help in Choosing Fair Queen Candidate

The Chelsea Fair Queen candidate for the Chelsea High school Class of '87 has not been definitely chosen and the choice must be made by Aug. 1.

Officers of the class have suggested Jeanine Castillo as a fine representative for the Class of '87 but the officers would like to receive suggestions from other classmates so they may be considered in the choice of a class representative.

Class officers wish any '87 class members would contact one of the following officers to make their suggestion known: Patricia Mattoff, 475-7678; Jeff Mason, 475-9636; Wendy McGlinnen, 475-8476; or Jon Lane, 475-8820.

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Safety Tips Given for Night-Time Travelers

Motorists traveling alone at night can never be too careful, according to Washtenaw County Sheriff Ronald J. Schebil.

"Motorists encounter many problems when a car breaks down, they are in a strange place, or are lost. These problems can be avoided with a little caution," Sheriff Schebil said.

The Washtenaw County Sheriff's Department offers these safety tips to motorists which will help prevent driving at night from becoming an unpleasant experience.

—prior to your trip, map out your route and be sure your car is in good working order; check belts, tires, fluid levels, etc.

—know your car; if it were to break down, know what repairs you could make on your own and have the proper tools handy.

—if you are driving in a strange place, avoid areas in which you would feel uncomfortable should you have car problems.

—always lock your car doors when you are in or away from the car; when you return to your car, check under it and in the back seat before entering.

—should you encounter a flat tire, change it in a well-lit area; park as far into the shoulder as possible when changing a tire.

—if you encounter a flat in what you feel is an uncomfortable area, drive to a well-lit area or a service station—remember, tires and wheels can be replaced.

—in case of a breakdown which you cannot repair, place a white

handkerchief outside your window, or put the hood of your car up; this is a signal to law enforcement agents that you are in need of assistance.

—if someone approaches your car, ask them to phone the police or a wrecker; never leave the car when a stranger offers to "take a look at the problem."

—if you are lost, drive to a well-lit phone booth or service station to ask for directions.

—keep extra clothing or blankets in your car, especially in the winter months; running the car to keep warm is a dangerous alternative.

"If you are lost, you can always drive to a safe spot to ask for directions," added Sheriff Schebil, "and if your car breaks down, wait for a police officer or serviceman's help. Don't trust a stranger—no matter how nice they appear to be."

Sheriff Schebil hopes that motorists in Washtenaw county will feel free to contact him with any questions they may have concerning these tips.

Gregory Area Youth Completes Army Armor School

Army Private John A. Cronk, son of Richard and Ellen Cronk of 714 Woodside Dr., Gregory, has graduated as an armor crewman at the U. S. Army Armor School, Fort Knox, Ky.

He is a 1984 graduate of Stockbridge High school.

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These situations are seldom easy to deal with, but we may be able to help. Below are listed several helpful brochures from our community resource collection. If you would like to receive complimentary copies of any or all of them, please contact our funeral home, or mark and return to us the coupon below.

Please send me the complimentary brochure(s) I've marked below:

☐ Living With Your Loss
☐ Values of the Funeral

☐ Talking With Young Children About Death
☐ A Friend Is There—Suggestions For Friends of the Bereaved

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COMMUNITY CALENDAR

Monday—

Chelsea Area Historical Society annual picnic at the home of Glen and Olive Wiseman, 1250 Guenther Rd., Monday evening, Aug. 12. Members and families are invited to this pot-luck dinner.

Lima Township Board meets the first Monday of each month at 8 p.m., Lima Township Hall. advx41tf

Parent-Teacher South meets the second Monday of each month in the South School Library at 7:15 p.m.

Chelsea Kiwanis Club meets every Monday, 6:30 p.m. at Chelsea Community Hospital.

Chelsea School Board meets the first and third Mondays of each month, 8 p.m., in the Board Room.

Chelsea Lioness, second Monday of each month at the Meeting Room in the Citizens Trust on M-52, Chelsea, at 7:30 p.m. Call 475-1791 for information.

Parents Anonymous Group, Chelsea, a self-help group for abusive or potentially abusive parents, Mondays, 7-9 p.m. Call 475-9176 for information.

Chelsea Recreation Council 7 p.m., second Monday of the month, Village Council chambers. 35tf

Chelsea Substance Abuse Task Force—second and fourth Mondays, 7 p.m., Chelsea Hospital, Conference Room A & B. tf

Tuesday—

"I Can Cope," a patient education course sponsored by Chelsea Community Hospital to help cancer patients and their families, Tuesday, Sept. 10, 2 to 4 p.m., Woodland Room. 8 weeks, no charge. Call 475-1311, ext. 262 to pre-register. Class limited to 15.

Olive Lodge 156 F&AM, Chelsea: Regular meeting, first Tuesday of each month.

Chelsea Area Jaycees, second Tuesday of each month at Chelsea Community Hospital. Open to men and women from ages 18 through 36. For more information call Tim Merkel, 475-3272.

Sylvan Township Board regular meetings, first Tuesday of each month, 7 p.m., Sylvan Township Hall, 112 W. Middle St. advtf

American Business Women's Association 6:30 p.m. at the Chelsea Hospital fourth Tuesday of each month. Call 475-2812 for information.

Lima Township Planning Commission, third Tuesday of each month, 8 p.m., Lima Township Hall. advx30tf

Chelsea Village Council, first and third Tuesdays of each month. advtf

Lions Club, first and third Tuesday of every month, 6:45 p.m., at Chelsea Community Hospital. Ph. 475-7324 or write P.O. Box 121, Chelsea.

Chelsea Rod and Gun Club regular meeting, second Tuesday of each month at the clubhouse, Lingane Rd. 49tf

Chelsea Rebekah Lodge No. 130 meets the first and third Tuesday of each month, at 7:30 p.m.

Chelsea Communications Club, fourth Tuesday of each month, 8 p.m., Chelsea Lanes basement meeting room.

Wednesday—

VFW Post 4076 meeting second Wednesday of month, 7:30 p.m., VFW Hall, 105 N. Main.

OES, first Wednesday following the first Tuesday of the month at the Masonic Temple, 113 W. Middle at 7:30 p.m.

Thursday—

Limaneers, at the home of Mrs. Helen Wolfgang on Thursday, Aug. 1. Pot-luck dinner at 12:30 p.m.

Chelsea Area Players Board meeting second Thursday of each month, 7:30 p.m., at Citizens Trust meeting room. For more information call 475-2629.

American Legion Post No. 31. General meeting the first Thursday of each month at the post home, Cavanaugh Lake.

New Beginning, Grief Group first and third Thursday each month, 7:30-9 p.m., Family Practice Center, 775 S. Main St., Chelsea.

Knights of Columbus Women's Auxiliary, second Thursday of each month, 8 p.m. at K. of C. Hall, 20750 Old US-12.

Friday—

Steak Fry, Dexter American Legion grounds, Friday, Aug. 9, afternoon and evenings. -x9

Senior Citizens meet third Friday of every month, pot-luck dinner, games and cards, 6 p.m. at Senior Citizen Activities Center at North School.

Toastmasters International, each Friday in the Woodlands Room at Chelsea Community Hospital at 12 p.m. for information call Martha Schultz, 475-7505.

Saturday—

Chicken Barbecue at St. James Episcopal church, 3279 Broad St., Dexter, Saturday, Aug. 10, 1-8 p.m. -advx9

Misc. Notices—

Drop-In Service, the Children's Center at Chelsea Community Hospital, 475-1311, ext. 405 or 406. adv6tf

North Lake Co-Op Pre-School, located in Chelsea, is taking enrollments for the 1985-86 school year for 3- and 4-year-old sessions. We offer co-op and non-participating options. For further information call Jan Roberts, 475-3615, or Jill Taylor, 475-2172. adv43tf

Parent to Parent Program: in-home, friendly, visiting support system for families with children. Call 475-3305, ask for Jo Ann.

Parents Without Partners, support group for single parents. Youth activities, social events, discussion groups. For membership information, call Polly N. at 971-5825.

Home Meals Service, Chelsea. Meals served daily to elderly or disabled. Cost per meal, \$2.25 for those able to pay. Interested parties call Ann Feeney, 475-1493, or Joyce Manley, 475-2795.

Chelsea Social Service, 475-1581, 2nd floor of Village Offices. Thursdays, 10 to 4, or if an emergency need at other times, call Linda at 475-7405 or Jackie at 475-1925.

Sexual assault counseling for victim, family, friend. Assault Crisis Center, 40009 Washtenaw, Ann Arbor, 994-1616, no charge.

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DEXTER AREA FIREFIGHTERS Rick Chabot, left, and Eric Bernhardt, directed a strong stream of water at the smoky remains of a barn fire which occurred Monday, July 22, on W. Liberty Rd. The fire consumed an estimated

\$30,000 of property, according to Captain Dennis Betz of the Dexter Area Fire Department. Chelsea firemen brought additional water needed to help fight the blaze.

Interstate System 96% Done in State

With the opening of 7.7 miles of new freeway north of Lansing, Michigan's Interstate freeway system now is 1,177 miles long.

The new segment of US-27 (future I-69) connects I-96 with US-27, the main north-south highway through the middle of the state.

Michigan's 1,220-mile segment of the 42,500-mile national Interstate system is 96.4 percent complete. Still to be built are the final miles of I-69 through south Oakland county and 35 miles of I-69 from Charlotte to Lansing and from US-27 north of Lansing to M-52 near Perry and south of Owosso.

Both are scheduled to be open to traffic by the end of the decade. Work is well under way on I-69 and bids will be taken in August for construction of the next section of I-69.

To obtain more information on the Senior Community Service Employment Program, which provides part-time jobs in community service for jobless, low-income older workers, contact state offices for the aging; area agencies on aging, or local Job Service offices to find out where SCSEP projects are in operation, according to a U.S. Department of Labor fact sheet.

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Off-Duty Officer Nabs Two More Prison Walkaways

An off-duty Chelsea policeman captured two walkaways from Cassidy Lake Technical School early Sunday morning after he saw the men just west of the Kalmbach Rd. exit of I-94.

Officer Frank Kornel saw the men, who were wearing prison blues, as he was driving at approximately 5:40. The men offered no resistance, according to the police report, and Kornel was able to detain them until another officer arrived on the scene.

Victor B. Canada, 21, was serving time for attempted unarmed robbery. John E. Alvarez, 21, was serving time for breaking and entering. The two were reported missing from Cassidy Lake at 9:10 p.m. on Saturday, July 27.

According to police, Canada said he didn't know why he left, but that Alvarez said his wife had just had a baby and he had never seen the child.

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AUG. 12—"THE NEVER ENDING STORY"
AUG. 19—"RAIDERS OF THE LOST ARK"
AUG. 26—"KIDS ARE KIDS"

FREE ADMISSION
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Join Us for Great Movies and Fun Food!

JUST REMINISCING

Items taken from the files of The Chelsea Standard

14 Years Ago . . .

(Continued from page two)
ing the first 10 days at the jamboree held at the foot of Mt. Fuji, Japan's most famous mountain. They will then tour the country before returning to the states on Aug. 19.

Mr. and Mrs. Duane Crouch and their three children of Flanders St. recently visited Chelsea, Mass., during their first visit to the east. Chelsea, Mass., has a population of 33,000 and is a suburb of Boston.

24 Years Ago . . .

Thursday, Aug. 3, 1961—
Having the distinction of being the first family to take advantage of the facilities at Chelsea's new landfill, located across the road from their home on Werkner Rd., are the happy Tennenbaums—Stanley, his wife, and their children, Pete, Sue and Jonny.

With them for the occasion was their houseguest, James Bernstein of Cincinnati, O. They loaded up their station wagon with an accumulation of rubbish and dumped it into the landfill trench as Councilman William Chandler and Kelle Allen, public works superintendent, who is in charge of operating the payload while the regular operator, Leonard Eder, is attending a special school of instruction at the factory in Tomahawk, Wis., where the payload machinery is manufactured.

The Women's Guild of St. Paul's Evangelical and Reformed church is sponsoring a retreat program for women of the church to be held Wednesday, Aug. 9, at the cottage of Mrs. Adam Eppler

at Blind Lake. Co-chairing the project are Mrs. Lorenz Wenk and Mrs. Wilbert Grieb.

34 Years Ago . . .

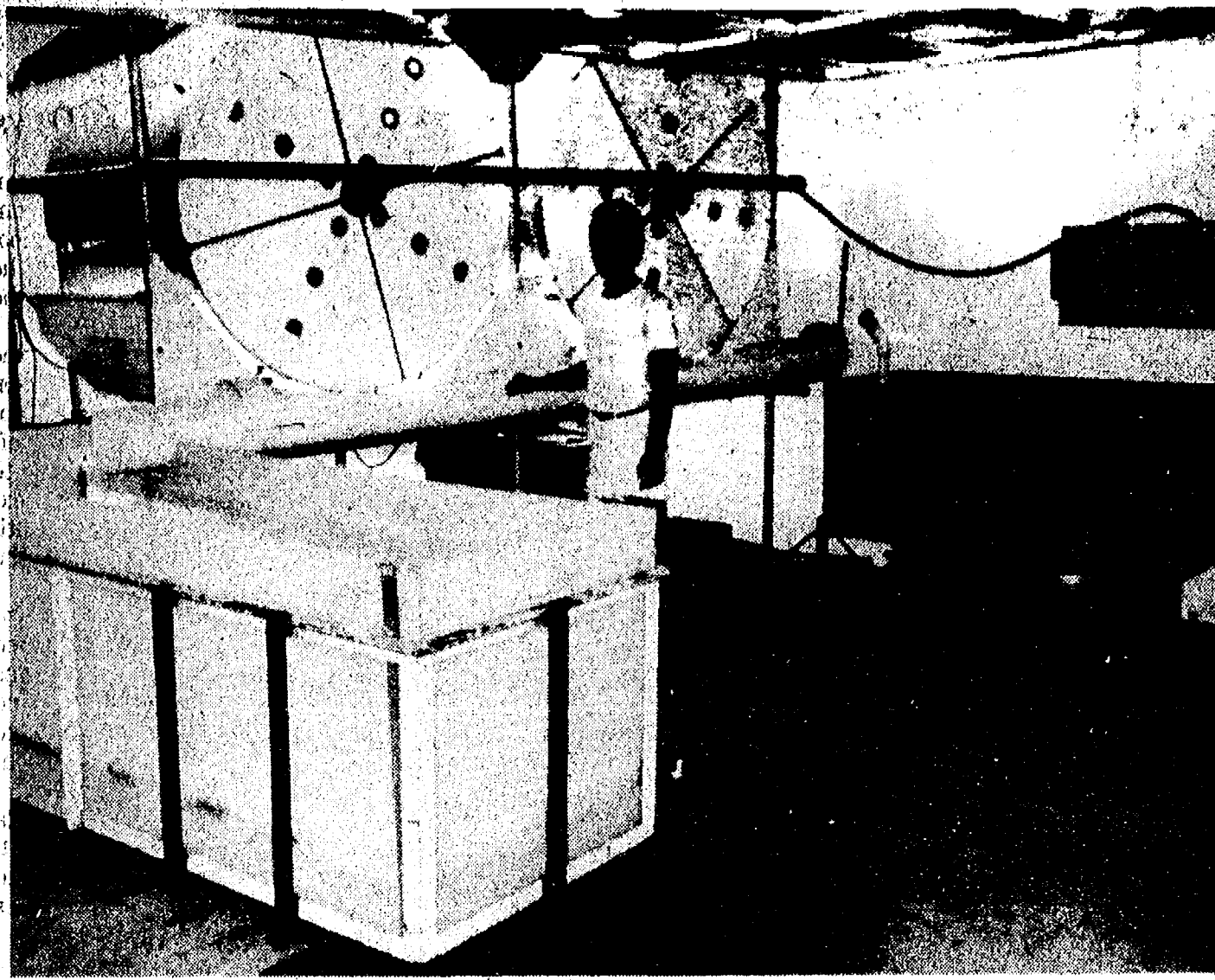
Thursday, Aug. 2, 1951—
The recruiter in charge of the United States Navy Recruiting Station at the U. S. Post Office in Jackson announced today that three local young men have joined the regular navy through this station during July and are now at the Great Lakes Naval Training Center where they will remain for 11 weeks before assignment to trade schools or shipboard assignments. They are Richard Lewis Seeley, Donald Blair Pierson and Frederick Orville Roberts. Harold Morgan Hale left for training during the month of May and should be home on leave in the near future.

Cousins, brothers and parents of Mrs. Wilbert Grieb met at the Grieb home, Sunday, for a family get-together.

The 42 people who gathered decided to make this an annual reunion and accepted the invitation of Mr. and Mrs. Donald Irwin to meet with them the last Sunday in July, 1952.

Excavation for the footings for the new elementary school building at Maywood and Pierce Sts. was begun Monday morning. The series of story hours for children at the Chelsea Public Library was concluded Wednesday of last week. An average of 60 children attended the five weekly sessions. Miss Dorothy Beach was "the story lady."

Standard Want Ads
Get Quick Results!



GROWING SPROUTS: According to how it is used, "sprout" can mean a youngster, the offshoot of a parent plant, or a word that comes after Brussels to describe a member of the cabbage family. To Alan Vollmer, owner-operator of the Micro-Farm at 137 Park St., "sprout" means alfalfa and bean sprouts which he grows and markets at the rate of 5,000 pounds a week. Upper left: Alfalfa sprouts are grown in large rotary drums, bean sprouts in big bins. Lower left: Sprouts are also raised in trays. Above: The sprouts are packaged and then delivered to markets in Ann Arbor and Detroit.



Citizen's Guide to State Government Available

When a second-term State Representative from Ann Arbor (Perry Bullard) published the Legislature's first "Citizen's Guide to Lobbying" in 1975, no one paid much attention. Many people in Lansing thought the brochure was too detailed or that citizens just wouldn't be interested. But 10 years later, Bullard is a Lansing veteran and chair of the influential Judiciary Committee. And now his "Citizen's Guide to Lobbying" is among the most published and most widely distributed brochures in Lansing.

"The Government Guide tells the citizen who his or her State Representative and Senator are. It gives addresses, phone numbers, and committee assignments. It explains the complicated legislative process in an easy-to-understand fashion. It also gives a practical guide on writing effective letters and making your voice heard in state government," Bullard explained.

The booklet has been renamed the "Citizen's Guide to State Government" and is printed for legislators by the State's Legislative Service Bureau. At least 60 State Representatives and Senators now have copied the brochure, distributing tens of thousands throughout the state.

"It's nice to see an idea of your own catch on like that," said Bullard. "But what's far more rewarding is to see citizen groups and individual people being able to make effective contracts in Lansing because the Government Guide provides the information they need," said the Ann Arbor Democrat.

Bullard is making the Guide available to people in Washtenaw county for the 11th straight year. He said he also supplies many brochures for citizens who can't get the brochure from their own Representative or Senator. Copies may be obtained by writing Bullard's office at 303 State Capitol, Lansing 48909, or calling (517) 373-1289.

Subscribe today to The Standard

Consumer Mediation Position To Be Filled

Washtenaw County Board of Commissioners is scheduled to consider applications for one appointment to the Consumer Mediation Committee at the Sept. 4 session of the board at 7 p.m. in the Board Room, Administration Building.

One-page resumes should be addressed to Carol Hampton, Controller/Administrator's Office, County Administration Building, P.O. Box 8645, Ann Arbor 48107. Those resumes received by Aug. 19 will be submitted to the Board of Commissioners for their consideration in September, 1985.

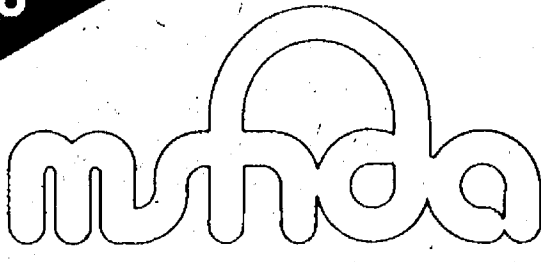
The Job Training Partnership Act (JTPA) provides for expansion of the states' role in training and employment programs to include management and oversight functions formerly carried out by the federal government.

Combine Derby Slated Wednesday

Wednesday will also feature a combine derby heat. The combine derby heat will be limited to six drivers. Drivers must furnish their own combines and must pre-register by calling John Klink at 475-7831.

Prizes for the Combine Derby will be as follows: 1st place, \$500; 2nd place, \$400; 3rd place, \$300; 4th place, \$200; 5th place, \$100; 6th place, \$100.

New Rates 1 to 9%



Michigan State Housing Development Authority

We've Cut the Interest Rates!

The Michigan State Housing Development Authority (MSHDA) has reduced the interest rates on its Home Improvement Loans effective May 6, 1985.

The old rates were 3 to 10 percent, based on your annual adjusted income.

The NEW RATES are now 1 to 9 PERCENT, based on adjusted annual income.

Eligible homeowners can borrow up to \$15,000, with 15 years to repay, for most kinds of permanent improvements: Insulation, roofing, plumbing, room additions, electrical systems, painting, siding, handicapper access, and many others.

Annual Adjusted Income*	New Interest Rate
Less than \$6,000	1%
\$ 6,000 - 6,999	2
7,000 - 7,999	3
8,000 - 8,999	4
9,000 - 9,999	5
10,000 - 10,999	6
11,000 - 11,999	7
12,000 - 12,999	8
13,000 - 20,000	9

* Adjusted annual income means gross income at the time you apply for a loan, minus \$750 for each member of the household living in the same dwelling unit.

For more information, contact MSHDA Home Improvement Loans, P.O. Box 30044, Lansing, MI 48909; telephone (517) 373-8017.



Equal Housing Opportunity



MSHDA Pub. 10A; 5/85

PA 130 of 177

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MICHIGAN FESTIVALS SCHEDULE

AUGUST	AUGUST (Continued)
1-4 Coast Guard Festival, Grand Haven	23-25 Heritage Festival, Ypsilanti
1-4 Nautical City Festival, Rogers City	30-31, Sept. 1-2 Montreux Detroit Jazz Festival, Detroit
2-4 Homecoming, Ford Field, Dearborn	28- Sept. 2 Stan Musial World Series, Bailey Stadium, Battle Creek
2-4 Scandinavian/India Festivals, Hart Plaza, Detroit	30-31, Sept. 1 National Coho Salmon Festival, Honor Klein Rodeo, Sparta
2-4 Bluegrass, Arts Festival, Flint	31- Sept. 2 Peach Festival, Romeo
3-4 Fish Sandwich Day, Bay Port	2 SEPTEMBER
4 d' Elegance Car Show, Meadow Brook Hall, Rochester	2 Mackinac Bridge Walk, St. Ignace/ Mackinaw City
7-10 Magic Get Together, Colon	4-8 Frontier Days, Charlotte
9-11 Polish Festival, Hart Plaza, Detroit	5-8 Wine and Harvest Festival, Paw Paw/ Kalamazoo
10-11 Bluegrass & Traditional Music Muster, Greenfield Village, Dearborn	6-8 Yugoslav Festival, Hart Plaza, Detroit
16-17 Danish Festival, Greenville	6-8 Pototo Festival, Posen
16-18 Melon Festival, Howell	7-8 Lenawee Heritage Festival, Adrian
16-18 Mexican Festival, Hart Plaza, Detroit	7-8 Old Car Festival, Greenfield Village
16-18 Black Arts Festival, Saginaw	7-8 Historic Home Tour, Marshall
16-18 Pan Slavic Festival, Yack Arena, Wyandotte	13-15 Pototo Festival, Edmore
16-25 Music Festival '85, Frankenmuth	13-15 Latin-American Festival, Hart Plaza, Detroit
17-18 The Michigan Renaissance Festival, Clarkston	13-15 Cascade Inc., '85, Cascade Falls Park, Jackson
24-25 Sept. 2 Weekends in Sept. 17-24	20-22 Four Flags Apple Festival, Niles
23-25 International Festival Week, Battle Creek	21-22 Historical Home Tour, Owosso
23-25 African World Festival, Hart Plaza, Detroit	21-22 Autumnfest, Cranbrook
23-25 Michigan State Fair, Detroit	28-29, Oct. 5-6 Bloomfield Hills

1985 Chart By



2 DAYS ONLY

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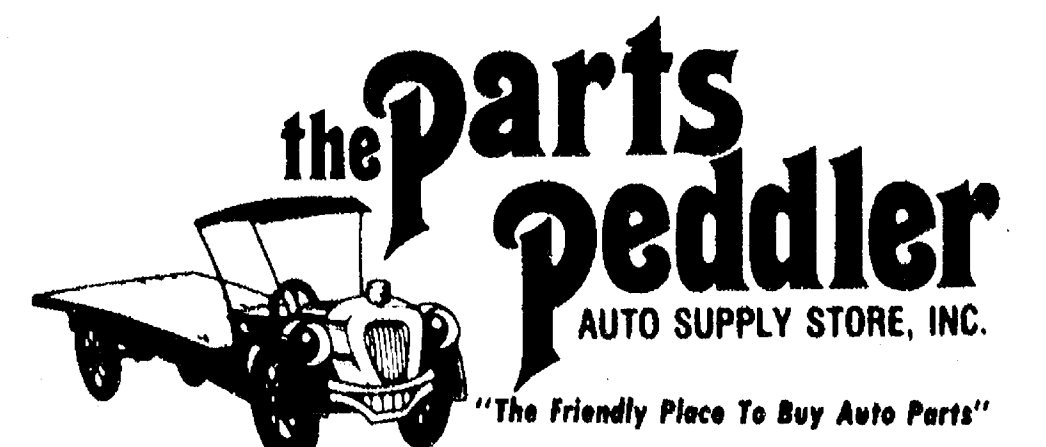
PROVEN VALUE MONROE
HEAVY DUTY GAS SHOCKS ea. \$11.99

Lifetime Guarantee LIMIT 4 Expires Aug. 4, 1985

VALUABLE COUPON

PROVEN VALUE
MUFFLERS \$15.95

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DEXTER CHELSEA

"The Friendly Place To Buy Auto Parts"

Retired Walter Haab Busy in Retirement With Woodworking

Walter Haab is a craftsman in the truest sense of the word. The 77-year-old woodworker turns oak, cherry and walnut trees on his property on Grass Lake Rd. into some of the finest pieces of woodwork you'd ever care to see. He handles the whole process himself, from the rugged, dangerous work of felling the trees to delicately putting in the last screw on a corner hinge. If he owned a saw mill, he might never have to leave his own property.

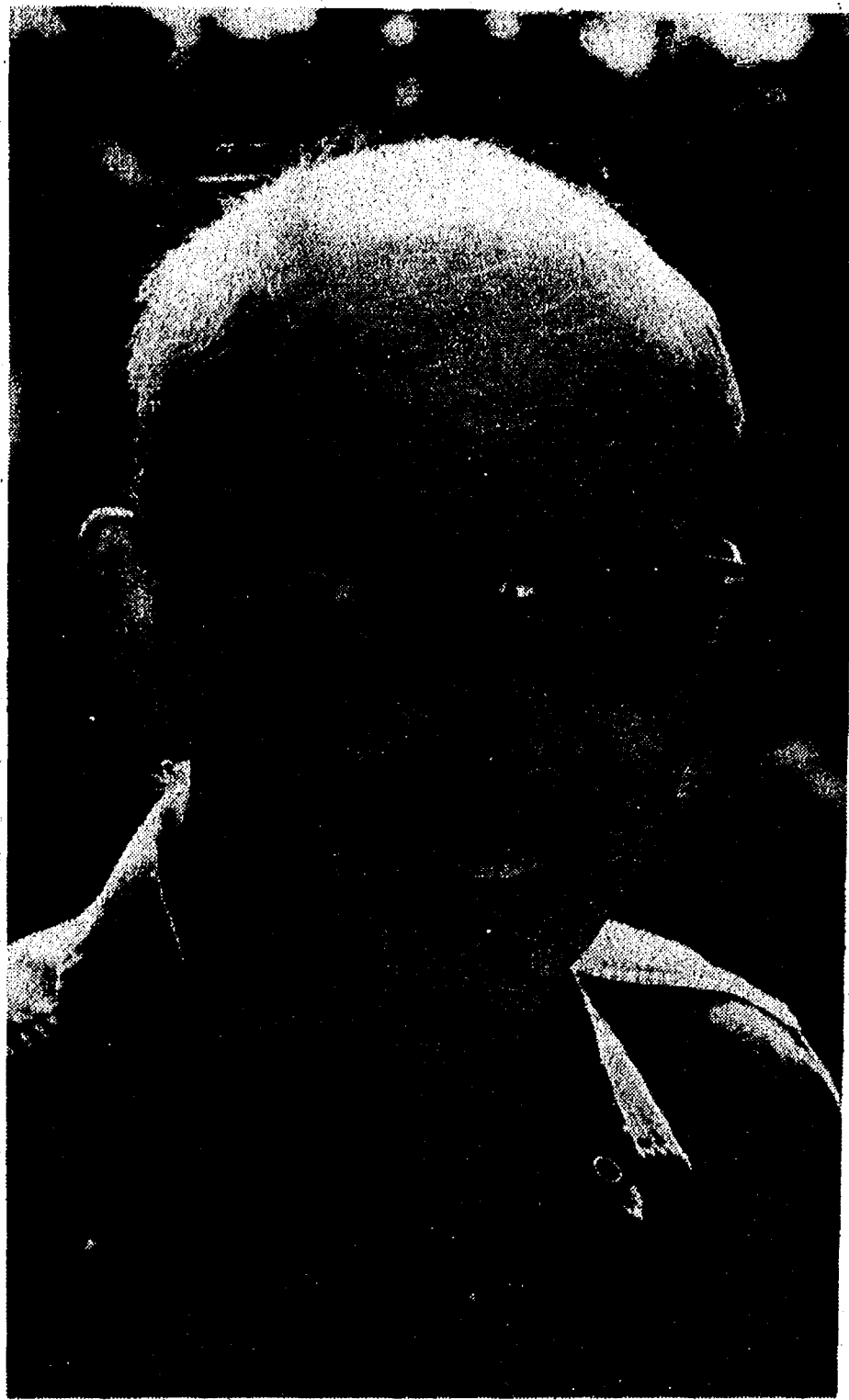
Haab has the spring in his step of a middle-aged man. It's hard to believe he's been retired since 1971. Many men his age have a hard time walking, let alone wrestling logs into a carrier to take them to a mill. Perhaps even more incongruous is the fact that Haab has only been a woodworking hobbyist since his retirement from the Chrysler Proving Grounds, where he worked in maintenance for 16 years. He has accumulated almost all of his woodworking tools and machinery since then, an extensive collection.

So far the hobby has been lucrative for just about everyone in his family but him. He's crafted several cedar chests for various relatives, and recently completed an oak cabinet, complete with glass doors, for his grandson in Toledo. He's turned a couple dozen candle holders. Sconces are another specialty.

He's considering turning the hobby into a business of sorts but has yet to look into the legal and insurance aspects of it all. He's also never bothered to keep track of how long his various projects take. He admits that he'd have no idea what to charge, although you can bet his work wouldn't come cheap. Solid wood furniture is rare these days.

"If I was younger I know I'd go into business. But I don't want to get into it too deep where it puts pressure on me," he says. "After all, I think I'm retired now."

Haab began the hobby almost on a whim. He remembers sitting in the kitchen with his wife Evelyn's cousin, Howard Haselschwardt and saying "I ought to buy a planer." It turned out that Howard wanted a planer, too, so they bought one together. From there he gradually dug deeper and deeper into the hobby. Now, after felling a tree, generally with help from his son Art, who lives nearby, he takes the wood to a mill in Sharon owned by Howard and John Erwin. After transporting the green wood



WALTER HAAB began woodworking as a hobby after he retired from Chrysler in 1971. He performs the whole process, from chopping down the trees, to the final coat of tung oil on his fine creations.

home, he stacks it out to dry in one of his farm's outbuildings.

"You have to be really careful about how you put it out to dry," he says. "You don't want it to dry all crooked. It takes about a year to dry per inch of thickness. All the wood I use is air-dried back there," he says, pointing to the tall red barn behind his house.

After drying the wood, the next step is to plane it into useable form in his outdoor workshop. The fine work of the sawing, routing, assembling and finishing is done in his basement woodshop, where he works year-round.

"I guess I was proudest of the first cedar chest," Haab says. "That was my first long project and I wasn't sure if I could do it. Now I'll tackle almost anything if

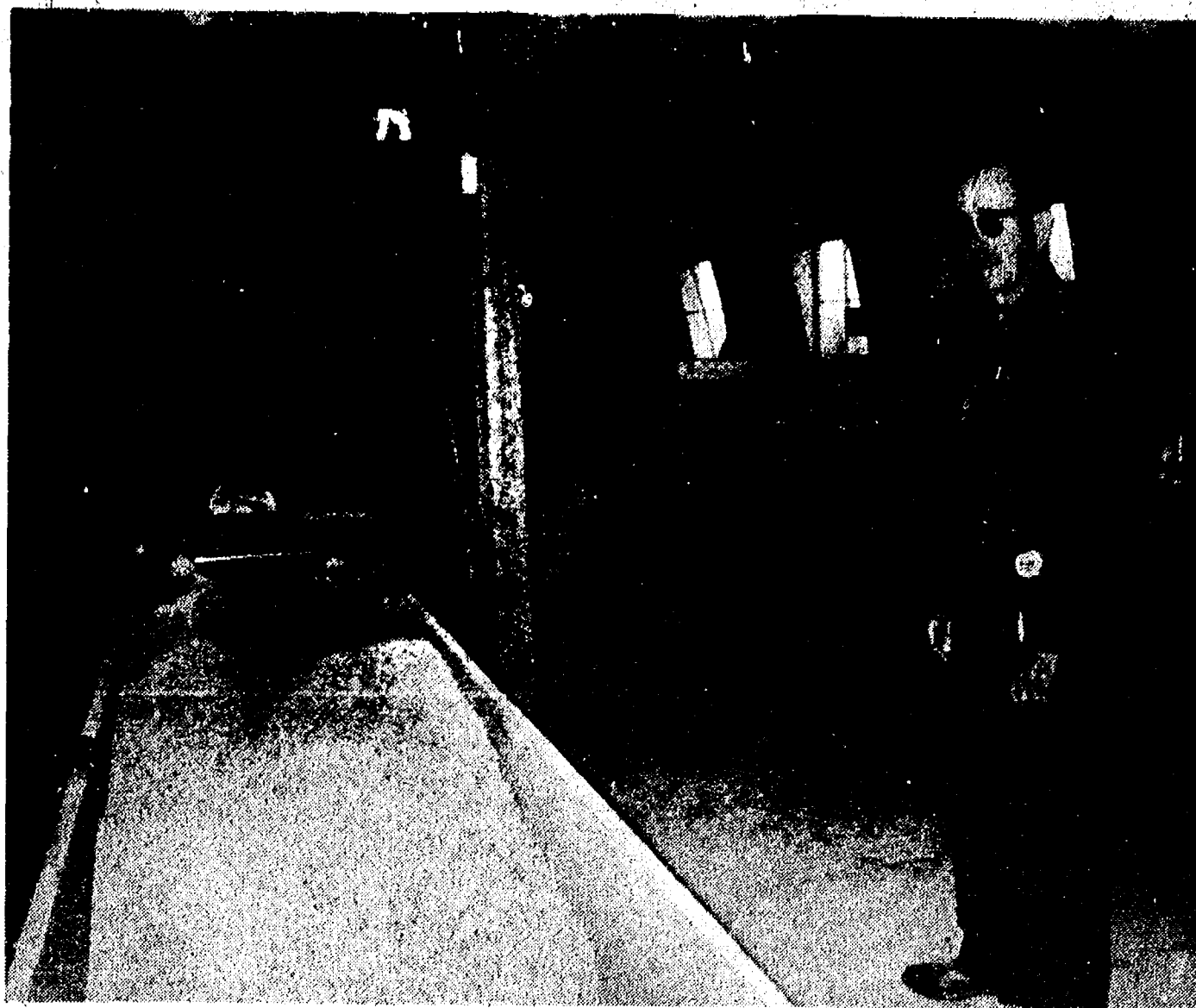
I can get it out of the cellar."

Haab has lived in the area all his life. He was born in Freedom township, but "nobody seems to know exactly where." After his father drowned when he was five-years-old, his family moved to Chelsea, where they lived at the corner of Main and Pierce Sts. His mother later married Christ Grau, and they moved back to the farm, where he worked until he was 21. He held various jobs, including one as a painter and decorator, which helped teach him about the characteristics of finished wood. But during World War II, he and Evelyn, who died five years ago, moved out to the farm where he now lives. He worked the farm for more than 10 years full-time, but switched to part-time after beginning at Chrysler. Now he leases the land.

"I'll probably never get to do all I want to do," he says. "I've had it in my mind for a couple of years to do a mural on the side of the barn. But it seems like I'm always busy on these other projects."

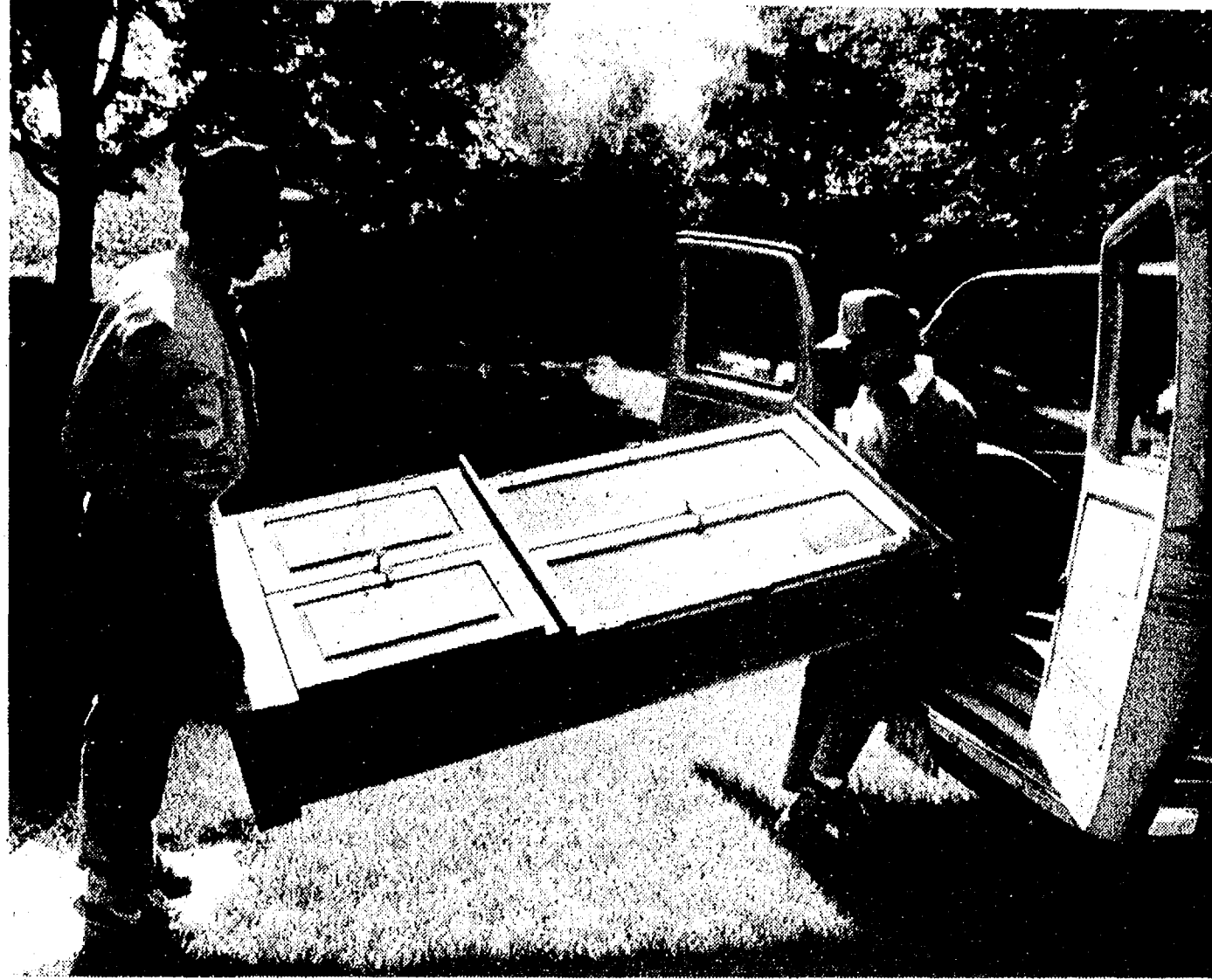


There are over ten million recreational boats in America.



IN HIS OUTDOOR WORKSHOP, Walter Haab planes down the wood and cuts it down to a size small enough for the indoor woodshop in his basement.

ment. Haab cuts the lumber, mills it, and air dries it in his barn for up to two years before using it in a project.



A COMPLETED OAK CABINET was the graduation present Walter Haab gave to his grandson, Brian Baacke of Toledo, left. Brian's father, Donald, gives him an hand with the heavy

piece. Haab's hobby, which may someday become a business, has been profitable for other members of his family, too.

Products on Parade



Paula Blanchard

This series of stories spotlights the manifest products of Michigan farms, forests and factories—the products proudly stamped "Made in Michigan." Watch for them when you shop and "Buy Michigan"—the products made by your friends and neighbors. This week's story: "Postmark: Benton Harbor."

If you are like millions of other Americans, the Post Office at one time or another has delivered a Heathkit to your door.

If not, then you may be wondering what a Heathkit is, and why all of those Americans are ordering them. Let me tell you: you can put together hundreds of wonderful electronic devices with a Heathkit. Kits range from a fairly low-tech AM radio (for the beginner, the company says) to a decidedly high-tech robot named Hero Jr. which can sing songs and tell nursery rhymes, wake you up, remind you of your wedding anniversary, guard your home and, probably, drive your dogs nuts as it obediently follows you around the house. Suffice it to say that if it's electronic, there's probably a Heathkit to build it.

For those of us who are intimidated by the prospect of putting together anything more complicated than a tossed salad, there are pre-assembled Heath electronics that will do all of the above, and more. And if you don't like shopping by mail, you can make a hands-on purchase at any of the 70 Heath/Zenith Computers and Electronics Centers in major metropolitan areas across the United States and Canada.

The postmark on Heathkits—Benton Harbor—has itself become an institution. The Heath Co., a subsidiary of Zenith Electronics Corp., moved from Benton Harbor to neighboring St. Joseph in 1958. But it retained the old postmark because, as one company official explained, "Over the years, our mail-order customers had become accustomed to sending their orders to Benton Harbor."

The first Heathkit, marketed in 1926, came in 11 separate packages that contained all the parts needed to build a lightweight airplane, the "Super Parasol." The kit included a motorcycle engine. Apparently you had to supply your own goggles, white scarf and Waldo Pepper leather jacket!

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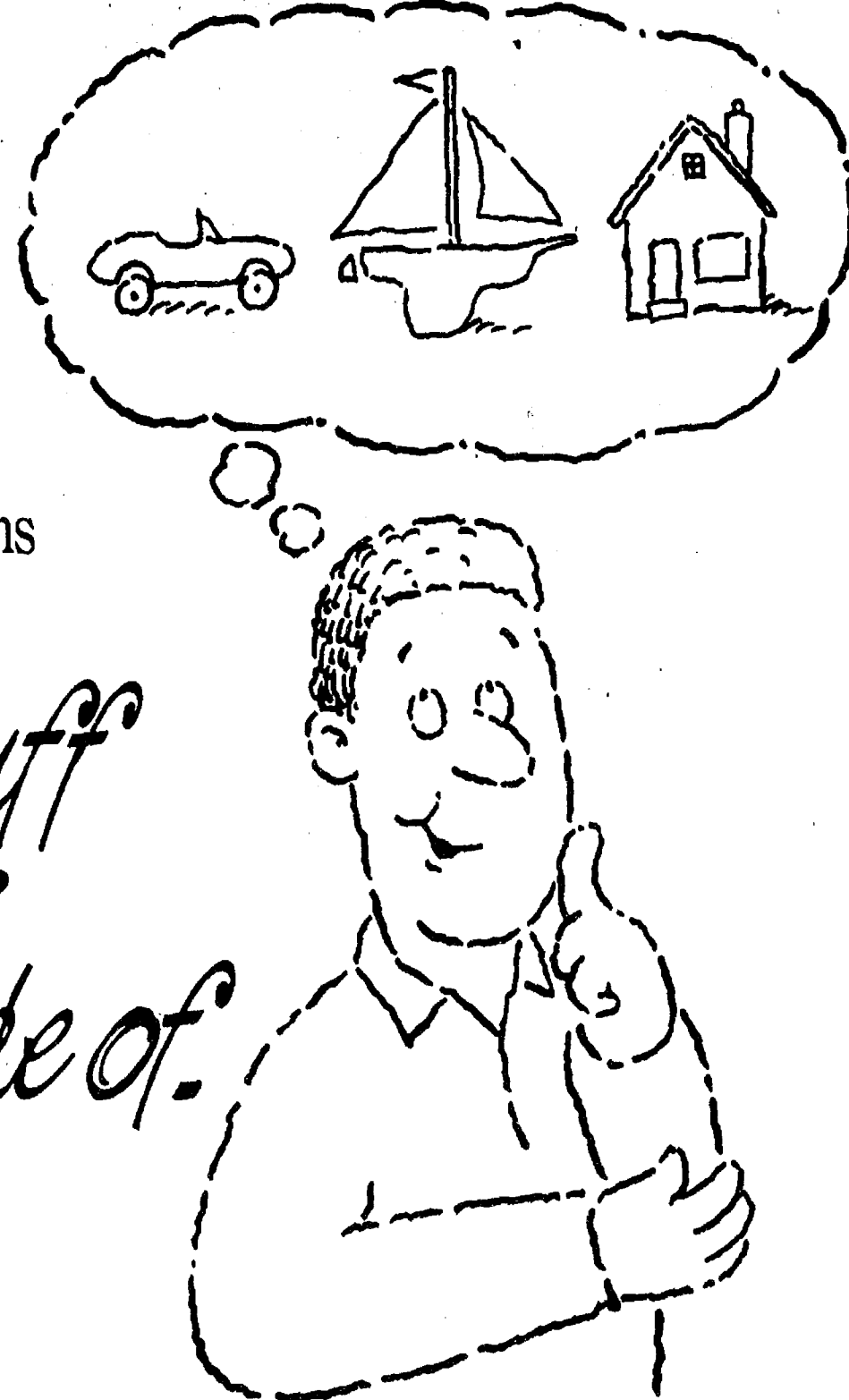
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Zoning Inspector's Hours Cut Back, She's Very Unhappy

In a surprise and previously unpublicized move, the village council last week voted to limit the work time of the zoning inspector to 15 hours per week.

Zoning inspector Rosemary Harook is hopping mad about the action, claiming she was double-crossed. The item was not on the agenda for the meeting.

"I had been assured that, whenever the council was going to consider anything having to do with zoning, I would be notified so that I could be present," Mrs. Harook said.

"I had no idea they (the council) were going to act on my job at that special meeting on July 23. If

I had known about it, I certainly would have been there. As far as I'm concerned, a promise was made and was broken, and I'm very unhappy about it.

"When I accepted the job as zoning inspector, I did it with the understanding that I would be on probation for six months, and that my performance would then be reviewed by the council. I insisted on the review. If they didn't like what I was doing, they could fire me right then."

The review resulted in approval of Mrs. Harook's showing. She was granted a six percent pay raise, from \$6 to \$6.36 per hour. She also receives \$75 per quarter

for use of her personal car on the job.

"I've been putting in 20 to 22 hours per week, including time spent in the office at the village hall and at home," Mrs. Harook said. "I'll cut back to 15 now that I've been told I won't be paid for any more than that."

"It will create a lot of problems. Most of my 15 hours will be spent on the road, checking on complaints and violations. I won't take any more phone calls at home, and I won't be in the office much."

"That is going to be an inconvenience to the public. There are some important forms and permits that you can get only from the zoning inspector. I'll try to be in the office at times on Mondays, Wednesdays and Fridays, but I'll be in and out."

Mrs. Harook acknowledged that "I have stepped on some toes and shaken some trees" with her policy of strict enforcement of Chelsea's zoning laws. "I know there are people, including some on the council, who aren't happy with my approach," she said. "My idea has been to enforce the laws that are on the books. If people don't like those laws, there are ways to change them. The council can do that any time it wants to."

She ridiculed the notion that her work hours were cut back as an economy measure. "Look, at that same meeting the council appropriated \$67,000 for a new machine at the landfill, \$27,000 for a piece of electrical equipment, \$12,000 for a new police car, and \$7,000 for an increase in the police chief's salary."

"Don't try to tell me that there isn't \$1,500 available to allow the zoning inspector to work five more hours a week. They (the council) can find the money to (Continued on page 16)

The Chelsea Standard

Section 2

Chelsea, Michigan, Wednesday, July 31, 1985

Pages 9-18

School Board Notes

Present at a regular meeting of the Chelsea Board of Education Monday, July 22, were Schumann, Dils, Grau, Comeau, Feeney, Satterthwaite, superintendent Van Meer, principals Williams, Stielstra, Wescott, community education director Rogers, curriculum director Bissell, guests.

Meeting called to order at 8 p.m. by president Schumann.

Board approved the minutes of the July 8 meeting.

Entered as official communications were: a letter of appreciation from Dr. Laurie Bissell concerning her appointment as Curriculum Director, a letter from a district parent requesting a change in teacher assignment for her child, a letter of appreciation from Ruth Stielstra regarding her employment by the district as gifted/talented teacher.

Superintendent Van Meer indicated that he had received a telephone inquiry from Chelsea United Way, requesting information on Children at Risk. Children at Risk had applied to United Way for funds to be used in the county schools for presentations on child abuse.

Board approved the renewal of the National School Lunch Program Agreement-Certification for 1985-86.

Board approved the math program for the accelerated track and college-prep track for 1985-86 as follows:

Accelerated Track: 7th grade, Pre-Alg.; 8th grade, Alg. I; 9th grade, Alg. II/III; 10th grade, Geom/Trig.; 11th grade, Pre-Calc.; 12th grade, Calc.

College-Prep Track: Pre-Alg., Alg. I, Alg. II or Geom., Pre-Calc. (Those who double up Alg. II/Geom. then take Calculus). (Alg. III/Trig.-combined in Alg. II and Pre-Calculus).

Two Remaining Tracks, 1988-89: Pre-Alg. I, Pre-Alg. II, Alg. I, or Geom. Gen. Math, Pre-Alg. I, Pre-Alg. II, Alg. II or Geom. (Change name of Pre-Algebra to Elementary Algebra).

Board approved the purchase of 120 Pre-Calculus books by Addison Wesley, which corresponds to the new math curriculum (mentioned above). Approximate cost of the books will be \$15 each, for which funds have been budgeted.

Board approved a first-semester leave of absence for Pam Holmes, effective Aug. 29, 1985 to Jan. 27, 1986.

President Schumann indicated that he would like for Anne Comeau and Joe Redding to serve on the Curriculum Committee, and he asked for board member volunteers to serve on the other committees (personnel, finance, and communications/public relations).

Trustee Ann Feeney indicated that she had attended Community Day activities at Chelsea Community Hospital, representing the Chelsea schools.

Principal Wescott indicated that a parent/teacher group had worked on the playground equipment on Saturday at North school.

Principal Williams indicated that from the maintenance mileage, more power packs for the light board in the auditorium were installed prior to the play. This will result in additional lighting power in that area.

The board met in executive session to discuss personnel matters, and subsequently reconvened in public session, after which the meeting was adjourned at 9:51 p.m.

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GROUND WAS BROKEN last week for the new Roberts Paint & Body Shop in Chelsea's industrial park. Left to right, above, are Veri Millbauer, Maggie Roberts, John Roberts, Jerry Roberts, Jim Roberts, and village trustee Mac Fulks. Millbauer is a paint supplier to the Roberts firm. The three Roberts brothers are partners in the business, and Maggie is John's wife.

Ground Broken for Roberts Body Shop In Industrial Park

Ground was broken last Thursday for the new Roberts Paint & Body Shop in Chelsea's Sibley Rd. industrial park. Construction of the 70 by 100-foot prefabricated one-story metal building will start within a few days, with a Dec. 1 target date for occupancy.

Although all members of the village council and administrator Frederick Weber had been invited to the ceremony, only trustee Mac Fulks showed up. Weber and president Jerry Satterthwaite were out of town on other business.

When the building is completed, the Roberts firm will move from its present location at 20416 Old US-12, where it has leased space for the past 10 years.

Roberts bought a 1.63-acre tract on the south side of E. Industrial Dr. at a price of \$15,000 per acre. The 7,000-square-foot building will front on the drive

and will be a short distance east of the BookCrafters fulfillment house, the only business presently operating in the industrial park.

Lewis Publishing Co. has a two-year option on a 1.3-acre parcel of park property, but hasn't exercised it and has not announced specific plans to build.

Roberts Paint & Body Shop was established in 1975 and will observe its 10th anniversary in September. Present owners are brothers Jim and Jerry Roberts. A third brother, John, is being brought into the business as a full partner.

The new building will feature the latest technology in auto painting and repair. A new German-made paint booth will include a down-draft air system that eliminates dirt particles. A one million BTU furnace will circulate the hot air to cure paint to a dry finish in an hour or less. The booth is said to be 98 percent pollution-free, neutralizing odors that might otherwise escape into the air.

The Roberts brothers will also purchase additional frame straightening equipment. They are projecting a 30 percent increase in efficiency and turnaround time in the new building.

Contractor for the structure is Adams Poured Walls, Inc., of Grass Lake.

Roberts presently employs six persons. Some increase is possible, depending on future business volume, Jim Roberts said. He added that business has been increasing steadily, to the point where the firm outgrew the space available in its present location and had to move in order to keep up.

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Larry Reed Likely To Be Appointed As Athletic Director

It isn't official and won't be for at least five days, but it is all but certain that Larry Reed will be the Chelsea school district's new athletic director. The appointment likely will be made at the Aug. 5 meeting of the Board of Education.

The tip-off came after the board went into executive session during its July 22 meeting to discuss a job description for the new AD.

Superintendent Ray Van Meer said the board approved combining the positions of athletic director and Cameron pool director—

both now full-time jobs—into one. Reed is the present pool director. Asked if that decision means Reed will be appointed to the post, Van Meer said, "I won't deny that, but I can't confirm it until the board acts formally. I expect the question will be on the agenda for the Aug. 5 meeting."

Van Meer added that, in reshaping the position, some clerical, supervisory and grounds preparation responsibilities will be deleted from the present prescribed duties of both the athletic director and the pool director.

"The intent is that one person will be able to handle both assignments, with some added part-time help as needed," he said. "For example, we may hire a part-time groundskeeper during the spring season when use of athletic facilities is at a peak."

Not known at this point is whether Reed, if appointed, would be permitted to continue coaching boys swimming, a successful and improving program. The school district has maintained a "separation of powers" principle by disallowing administrators (including athletic directors) to be coaches as well.

Both Ken Larson (golf) and Bill Wescott (softball) were required to quit coaching when they were promoted to administrative positions last year.

One of the new AD's first tasks, in fact, will be to find a new full golf coach to replace Larson, who is assistant high school principal. Uncertain also is the status of Rahn Rosentreter as co-coach of girls tennis this fall.

Cathy Vleck is understood to have said she does not intend to go on coaching volleyball this winter, and Reed's position as boys swim coach might also be open if the board appoints Reed as athletic director and sticks to its "no coaching" policy.

The "no coaching" rule apparently took Wayne Welton out of contention for the athletic directorship. Welton was interested, but made it plain that he wanted to continue as a varsity baseball coach and chief assistant in varsity football.

"I like coaching too much to give it up," Welton told a reporter several weeks ago. "I'm interested in the athletic director position, but not that interested."

Welton teaches physical education along with his two-season coaching duties. The AD post was left vacant when Ron Nemeth resigned effective July 1 to accept other employment.

50 breaststroke, 11th in 50 butterfly; Brown, fourth in 50 free, fourth in 50 butterfly; David Oesterle, sixth in 50 breaststroke; free relay team of Girard, Wally Schmid, Draper, Brown, sixth; free relay of Oesterle, Jeff Garen, John Chor, Hollo (13-and-14 boys, fifth in their division).

13-and-14 Girls—Christine Young 10th in 50 breaststroke; Sharon Colombo, Debbie Webb, Tami Harris, Maria Kattula (13-and-14 girls, 10th in their division).

15-and-16 Boys—Medley relay team of Matt Doan, Jeff Mason, Darren Girard, Wayne Lewis, fifth; Girard 11th in 200 free; Doan 12th in 200 IM, fifth in 50 back; Kevin Brock 11th in 200 IM, 10th in 50 butterfly; Tyler Lewis fifth in diving; Scott Sheffield (15-and-16 boys, fifth in their division).

15-and-16 Girls—Medley relay team of Karen Grau, Kelly Kuzon, Paula Colombo, Susan Schmunk, fifth; medley relay team of Cathy Hoffman, Robyn Hafner, Tricia Colby, Jennifer



TODD DOERING scored a hole-in-one on the 153-yard third hole at Waterloo Golf Course on July 21. He stroked the ball with a seven-iron.

Todd Doering Aces Third At Waterloo

You can play golf for more than 40 years, as a Standard reporter has, and never score a hole-in-one, or you can record your first ace during your second summer of playing the game.

Todd Doering, 18, of 5040 Queens Oak Dr., took up golf late last summer and a week ago Sunday holed a seven-iron shot from the tee on the 153-yard third hole at the Waterloo Golf Course. The ball hit on the front of the green and rolled into the cup.

The shot was witnessed by Steven Hunn, Cindy Sterling and Kelly Ghent.

Doering has made fine progress as a golfer since he took up the game less than a year ago. His average nine-hole score is under 40, and his low round is 33. Some people play a lifetime and never do that well.

"It was quite a thrill," Doering said. "I could see the shot all the way. I may never get another hole-in-one, but I'll sure remember that one."

Schwieger, 12th; Schmunk, fifth in 200 free, third in 50 free; Colombo, second in 200 IM, fourth in 50 butterfly; Hoffman, ninth in 50 butterfly, 11th in 50 back; Kuzon, first in 50 breaststroke; Grau, ninth in 50 back; free relay team of Kuzon, Hoffman, Colombo, Schmunk, eighth; (15-and-16 girls, third in their division).

Final Standings: Huron Valley, Milan, Travis Pointe, Orchard Hills, Racquet Club, Ann Arbor CC, Chelsea, Forest Brook, Chipewaw, Georgetown, Barton Hills, Willow Run.

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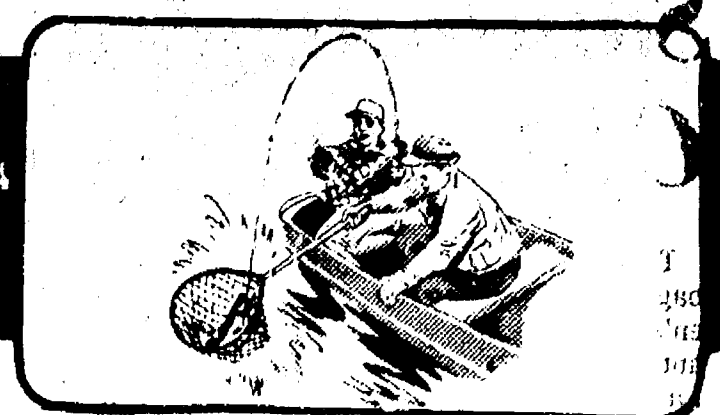
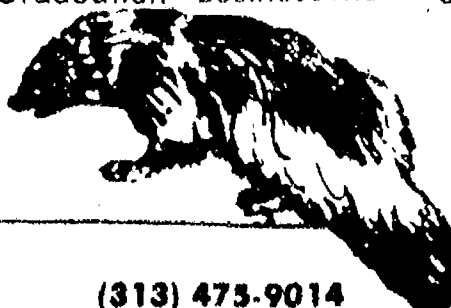
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DENNIS HALL of North American Exploration whacks a base hit into left field in a game against Vogel's Party Store last week. North American had the game well in hand by this late

innings hit, though, winning the game by 13 runs 18-5. Vogel's catcher, John Donajkowski watched the ball's flight.

Summer Baseball Team Closes Out Losing Season

Chelsea's summer league baseball team finished its season last week, winning one of four games.

The team split with Milan, losing, 8-6, and then winning 4-3. Later on in the week they lost a doubleheader to American Broach, 12-7 and 11-3.

The first game of the week was played on Tuesday, July 23, against Milan. Chelsea took a 1-0 lead in the first inning as Matt Bohlender singled, moved down to second, and scored on a single by Ray Spencer.

Milan scored two in the second, but Chelsea came back to tie it up as Kevin Walz crossed the plate.

Milan got two runs in the third and four in the fourth to go out in front, 8-2. Chelsea didn't give up, scoring one in the fifth, two in the sixth and one in the seventh; but fell two runs short, losing 8-6.

Chelsea hit the ball well, collecting 11 hits—three singles from Matt Bohlender, two from Walz, two from Matt Koenn, a single and a triple from Ray Spencer, and single from Todd Starkey and Rob McDowell. Walz pitched the distance for Chelsea, striking out nine while walking six.

Two days later, on July 25, the two teams faced each other again. This time Chelsea came out on top with a 4-3 victory. The game was a pitcher's duel as Milan scored one in the second and Chelsea tied it in the third as Evan Roberts crossed the plate on a Spencer single and an outfielder's error.

The game remained 1-1 until Chelsea scored two in the sixth as Spencer and Rob Murrell rapped out doubles to highlight the inning. Milan added one in their sixth to make the score 3-2 going into the seventh.

With two outs Roberts walked and Spencer again came through with a triple, giving Chelsea an insurance run. It was needed as Milan scored their seventh, making the final a 4-3 victory for Chelsea.

Chelsea collected six hits in the contest—a single, double, and triple from Spencer, a double by Murrell, and singles from Mark Bareis and Matt Koenn.

Greg Haist hurled for Chelsea, pitching 6 1/3 innings and giving up eight hits while walking four and striking out one. Starkey came on in the seventh and recorded the save. Even though Milan scored one, Starkey was tough, recording three strikeouts, the last one coming with tying runners on second and third.

Last Saturday Chelsea wrap-

ped up its season with a twin-bill against American Broach. Chelsea played them tough in both games but couldn't pull out a victory.

In the opener Chelsea fell behind, 8-0, after two innings. They fought back, scoring three runs in the third and three more in the fourth, but could get no closer.

Starkey pitched a complete game for Chelsea. He had a control problem, walking 12 while giving up seven hits and striking out four.

Chelsea hit the ball well, collecting nine hits—two singles each for Bohlender and Starkey and one apiece for Roberts, Bareis, Koenn, McDowell and Brian Coy.

The nightcap was almost the same story as Chelsea fell behind early and then battled back. When Chelsea batted in their fifth, they were trailing, 8-1. When they finished, they had rallied for five runs, tightening

the score to 8-6. They couldn't catch up and lost, 11-8.

Even though Chelsea scored eight runs they collected only five hits—three singles by Bohlender, one by Steve Whitesall and a triple by Spencer.

Roberts received the starting call on the mound for Chelsea. He pitched a good game but had some bad luck as Chelsea committed several errors and were victims of some cheap hits. Spencer and Bareis finished up on the hill.

"We had a good summer. We made some mistakes but we were basically all right," said coach Akel Marshall.

"The guys played hard all summer and gained some valuable experience for next spring. I had fun this summer and I hope the players did."

Chelsea finished the week-day league in third place with a 4-4 record.



RALPH GALVIN of North American Exploration shows off his cat-like reflexes as he throws out a Vogel's runner at first base after a "swinging bunt." North American Exploration won the game, 18-5, improving their record to 12-6 in league play.

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Sand-Bagging Delays Report Of Bowling Tourney Results

There was considerable sand-bagging in the Ann Arbor Women's Bowling Association's 49th annual tournament held at Lodge Lanes in Belleville last May.

As a result, determination and announcement of winners was delayed while tourney officials sorted through declared and actual averages of entrants. Scores posted by several potential winners were thrown out because they had cheated by lying about their averages.

In an official statement the association said:

"The board of directors of the Ann Arbor Women's Bowling Association found it necessary to disqualify the scores of several entrants in its city tournament. These contestants submitted averages lower than what was stated in the rules despite the fact that Rule 5g, as it appears on each entry form, states, 'If a recheck of averages discloses a bowler has a higher average than submitted, her score shall be dis-

qualified.' "In addition, association secretary Jeanne Preston admonished all bowlers at the beginning of each squad to 'check your averages.' As the governing body of the association, we feel it necessary to enforce all rules of the tournament not only to protect its integrity, but also that of the bowlers who abide by those rules. Every effort is being made to assure that this action may be avoided in the future."

After the disqualifications were made, the following Chelsea-Dexter area bowlers (who did not cheat) were listed as winners:

Team event—Dexter Fun Nitters, second place (3,107 pinfall with handicap); Waters Pub, Dexter, 19th, 3,008.

Doubles—Joan Beauchamp and Mary Jo Gipson, Chelsea, 11th, 1,297; Joanne Bobo and Barbara Bell, Dexter, 13th, 1,294.

Singles—Donelda Hawley, Chelsea, fourth, 705; Joann Beauchamp, Chelsea, 15th, 681.

All-Events—Mary Rettig, Dexter, first, 2,076; Bertha Hubbard, Dexter, 10th, 1,950; Joann Beauchamp, Chelsea, 1,946; JoAnn O'Connor, Dexter, 15th, 1,930. Chelsea's Donelda Hawley bowled the high actual game of the tournament, 264.

Chelsea Gets Two Seconds In Youth Meet

Two contestants from Chelsea won second places in the annual Detroit Metropolitan Youth Fitness track and field meet held last week-end. There were close to 2,000 competitors representing 47 cities and towns.

Junior Morseau placed second in the softball throw for 13-14-year-olds, and Colby Skelton was second in the 9-10 running broad jump.

"Unfortunately, only three places were awarded in each event," Chelsea coach Bill Wehrwein noted, "and that isn't very many considering the number of entrants. We had several other kids do very well, but the scoring system used didn't recognize them."

Wehrwein mentioned the 11-12 60-yard shuttle relay team of Kathy Granger, Jeanene Rossi, Bryan Zangara and Brett Salamin, and the 9-10 shuttle quartet of Gabe Bernhart, Tom Poulter, Brandi Kenney and Christy Lazzo as having both runs close to the top.

"I'm pretty sure one was fourth and the other fifth, but I couldn't tell for sure because of the way the meet was conducted," he said.



CRAIG BROWN, coach of the Yankees, pitches to his team during Farm League action last week. Waiting to field the ball are Jason Risner, foreground, and David Stimpson, background.

Howdy Holmes Finishes Ninth in Michigan 500

Ann Arbor's Howdy Holmes doesn't win many races for Indy-type cars, but he continues to have a knack for finishing in the money.

Holmes was ninth in last Sunday's delayed running of the Michigan 500 on the Michigan International Speedway oval at Brooklyn, and won \$18,040 for hanging in there through the slowest Indy car 500-mile race anywhere since 1955.

Only 10 out of the 30 starting cars were running at the finish. Accidents and mechanical breakdowns took out the rest.

Manchester Mill Run Set Aug. 10

On Saturday, Aug. 10 the fifth annual Manchester Mill Run will be held. The race fun run/walk is being held in conjunction with the Manchester Street Fair. All proceeds will be donated towards the Manchester Senior Citizens, Manchester Athletic Boosters and Manchester Band Boosters.

The race is being sponsored this year by Baker's Dozen, Dr. B. Bates, Charamar Farms, Krauss Pharmacy, Drs. Johnson and Okey, Dr. A. Curry, Great Lakes Federal Savings, American Dental Health Service, Comerica Bank-Jackson, First of America Bank, Dr. W. Purfield, and Dr. S. Hwang.

The race starts downtown and finishes at the historic Manchester Mill located on Main St. Check-in time is from 7:30 to 8:15 a.m. at the Manchester Mill.

There will be a 10K, 2 mile fun run/walk, and 2 mile race. All races will start at 8:30 a.m. The registration fee of \$4 includes a free pancake breakfast at the K. of C. Hall. Breakfast will be served from 8:30 to 10:30 a.m.

Trophies will be awarded for first place in each age division for each event. Medals will be awarded for second and third place in each division. Ribbons will be awarded to all finishers. Awards will be presented at 10 a.m.

Joe Smetanka will be at the finish with his portable race time display scoreboard so finishers can instantly see their finish time. There will also be stop watch/printers at the finish to help maintain accurate finish times.

T-shirts will be available the day of the race for pre-registered entrants who have paid for their shirts. Late registrants desiring shirts will be given T-shirts on a first-come, first-serve basis. T-shirts will be mailed to you for a \$2 fee.

Specific information and applications are available at the above sponsors' places of business. Registration deadline is Aug. 2.

For further information call Monty Okey, 428-9667, Charlotte Major, 428-8451, or Harry Krauss, 428-8393.

SPORTS NOTES

BY BILL MULLENDORE



I intended to skip writing this column this week, until I received a news release last Thursday from the Ann Arbor Women's Bowling Association reporting the results of a tournament held in May. It took the tournament officials that long to go through the listings, weed out the cheaters, and come up with a list of honest winners.

That is just a plain shame. If we have descended to the depth of cheating in amateur bowling, in order to win a prize of a few dollars or a trophy, we have gone a long way indeed toward abolishing the concept of playing the game—any game—for the fun of it.

I used to bowl, and was decent, averaging about 170—not great but not disgraceful. My high-game score was 279, my low down around 125. My high three-game series was 684. Those numbers are cited only to show that I know a little bit about the game. They aren't bragging statistics. At best, I was a little bit better than average bowler, which is about all that we ordinary mortals can hope to be in any sport.

Along the way, I bowled in a good many tournaments, all of them handicap events in which you have a certain number of pins added to your score before you start. Let's say it's a 200 scratch meet. If you go in averaging 170, you get two-thirds of the difference between 170 and 200, or 20 pins. If you bowl your 170 average, you are credited with 190. If you get lucky and roll 200, your score with handicap is 220. If you have a bad game and roll, say, 150, those 20 handicap pins make your score respectable.

Like almost all twice-a-week bowlers, I was in and out. I had good nights and bad ones, and never mastered the consistency that comes only with constant practice. Bowling was supposed to be fun, and I never wanted it to be anything else. I had no possible future as a pro bowler, so why worry? Go out and do the best you can, and enjoy it.

I was a league secretary once. The secretary is supposed to keep track of scores and standings, and compute handicaps. He or she relies on score-sheets turned in. You look at the end-of-the-line numbers, the individual and team totals. You don't go through frame-by-frame, checking out the accumulated scores, unless you are a lot more dedicated than I was.

If you are keeping score, it is easy to cheat in favor of yourself or some friend. Just mark down a nine instead of a seven on the first ball off a spare. Squiggle in a line to show a strike instead of a spare or a miss and put in some different numbers, claiming the originals were mistaken. I suspect I could jack up a game score by 30-40 pins without trying very hard, unless somebody was looking over my shoulder.

When it comes to entering tournaments, you are more or less on your own, especially in singles and doubles. You turn in your own average and handicap, and your conscience is your guide. You are either honest about it, or you aren't.

It never occurred to me to be dishonest, but apparently times have changed. A good many women cheated in the Ann Arbor tournament. Result was that officials had to go back and re-check all the records of every bowler to sort the winners from the liars. It took three months to come up with a list of bona fide winners.

Bowling, golf, and some other amateur sports come down to a contest against yourself. If you cheat, the only person you really deceive is you. Try to convince yourself that you have won anything if you lied about your score.

A week ago today I shot an 18-hole round of 82 on a fairly difficult golf course, my best score in about five years, thanks to half a dozen putts that curled into the cup from a long way out. I don't ordinarily sink very many of those, but they were dropping that day.

I hit some bad shots, too, including two out-of-bounds drives off the tee and one lost ball from the fairway. Had I chosen to ignore those and not count the penalty strokes, I might have broken 80 for one of the few times in my life. It would have been a phony 79, a product of breaking the rules. You must be able to live with yourself, even if only playing a game. The 82 is fondly remembered as a good round because I got it honestly.

That may be getting away from the concept of amateurism in sports, but I don't think so. If you play honestly, you get the most from what you do, and you set personal standards that you may want to compete against later for the sake of self-satisfaction.

I don't run much any more but, when I did, I timed myself with my own watch. It would have been simple to shave 10 seconds off my actual time for the mile, but I would have been fooling nobody but myself.

I used to play a lone game of shotgun target shooting, holding the gun in one hand, throwing a clay pigeon from a hand trap with the other, then dropping the trap, bringing up the gun and firing (not an easy shooting exercise, by the way). I could have come in and reported that I broke 25 straight, which I never did. It wouldn't have mattered to anybody—except me. My best score was 23, and I did that just once.

In playground and recreational basketball, I've played many a game in which we called our own fouls because there was no referee available. Maybe I was lucky to be playing with an extra-frame-group of sportsmen, but those games were almost always closely officiated. The understood rule was, if in doubt call a foul on yourself, and that's what everybody did.

Sportsmanship, playing by the rules, is not only the right way to go, it is also fun. It leaves you with a good feeling of having played the game right whether you won or lost. I commend that thought to the members of the Ann Arbor Women's Bowling Association. Cheating gives you no satisfaction even if you don't get caught, and it's mighty embarrassing if you do.

4-H Club Members Preparing for Show

Leaders Kathryn Bradbury and Lynn Fowler of the Lima-Scho Learning by Doing 4-H Club encourage area residents to observe the projects submitted by the club's youthful members in the 1985 Washtenaw County 4-H Youth Show being held this week at the Farm Council Grounds near Saline.

Membership of the club includes Karen Bradbury, Amy Trinkle, Terra Even, Shawn Manny and Bianca vonKulajta, all of Dexter, and from Chelsea, Katie Fowler, Julie Gray-Lion, Mary Johanson, Mark Johanson and RoseAnna Gray-Lion.

The young people have been working hard, preparing their projects for the Youth Show.

Many of them will exhibit in several categories.

Nature Program Set At Hudson Mills Park

Two nature programs will be held at the Hudson Mills Metropark near Dexter. Here is the schedule:

"Life in the Shade," looking under the forest canopy for all sorts of critters, will be held on Wednesday, Aug. 7 at 1:30 p.m.

"Birding in the Summer," a 1½-hour walk to discover birds, will be held on Saturday, Aug. 10, at 9:30 a.m.

These programs are "free" and advance registration is required.

SUMMER BALL

Farm League

Pirates 10, Angels 6—Hitting: Matt Powell, Brad Jedele, Sean Graflund, Colby Skelton, Dave Issel, Kevin Hafner, Bryndon Skelton. Fielding: Matt Powell, Jay Wescott, Bryndon Skelton.

Oracles 16, Tigers 13—Hitting: Jason Risner, Nathan Mackinder, Meza McCalla, David Bolanowski, Doug Marell. Fielding: David Stimpson, David Seitz, Tim Wescott, Nathan Mackinder.

Yellow Sluggers 30, Twins 25—Hitting: Heather GreenLeaf, Benjamin Meza, Bekah Knight, Melanie O'Connor, Mariah Cherem, Jeff Hughes, Aaron Atlee, Eric McCalla.

Fielding: Kevin Grifka, Henry Heim, Damon Loftis, David Bleske, Jamie Policht, Ryan Laferty, Dusty White, Adam Sweet.

Yellow Sluggers 29, Mets 29—Hitting: Joseph Franklin, Joshua Cowen, Benjamin Meza, Kristi Lentz, Paul Heidtman,

Kevin Clouse, Steve Thiel, Scott Laraway.

Fielding: Nathan Hallett, Damon Loftis, Anthony Franklin, Tom Redlin, Garth Hammer, Casey Wescott, Ronnie Carter, Ann Terpstra.

Oracles 38, Royals 37—

Oracles 36, Tigers 16—

Hitting: Scott Graflund, Donnie Bollinger, Ryan Guenther, Jim Irwin, David Paton, Pat Damm, Jeremy Feldkamp, Kent Young, Ashley Coy.

Fielding: David Paton, Danielle Longe, Jim Irwin, Scott Graflund, David Paton, Anne Frederick, Greg Rickard, Ryan Dunlap, Colby Foytik.

Blue Jays 50, yellow Sluggers 32—

Leading Hitters—Blue Jays: Kelly Bowers, Angie Bell, Mike Clark, Sam Morseau. Yellow Sluggers: Kevin, Joseph, Heather, Joshua.

Outstanding Defensive Plays—Blue Jays: Mike Clark, Scott Boughton, Scott Hammett, Don Reilly. Yellow Sluggers: Henry,

Bekah, Melanie, Anthony.

Blue Jays 33, Royals 36—Leading Hitters—Blue Jays: Jon-Paul Aspiranti, Scott Hammett, Stephanie Wesolowski, Joe Aspiranti. Royals: Melissa Hand, Richard Neumeyer, Amy Bennett, Clinton Pinson.

Outstanding Defensive Plays—Blue Jays: "Drew" Patterson, Mario Aspiranti, Nicky Krammer, Anie Bell. Royals: Dan Johnson, Mark Hand, Jason Fox, Katie Merz.

Blue Jays 43, Orioles 43—

Leading Hitters—Blue Jays: John-Paul Aspiranti, Jamie Holzhausen, Don Reilly. Orioles: Jim Irwin, Scott Hurst, Heather Pratt.

Outstanding Defensive Plays—Orioles: Danielle Long, Kevin Cross, David Paton. Blue Jays: Scott Boughton, Scott Colvin, Mario Aspiranti, Angie Bell.

Blue Jays 32, Twins 27—

Leading Hitters—Blue Jays: Jam, Don, Nick B., Joe. Twins: Eric, Tomy, Peter, Steven.

Outstanding Defensive Plays—Blue Jays: Drew, Scott C., Kelly, Scott H. Twins: Christine, Brooke, Dusty, Jeff.

Tigers 30, Blue Jays 41—

Leading Hitters—Blue Jays: Jamie Holzhausen, Nicky Krammer, Mario Aspiranti, Nick Brink. Tigers: Matt Martin, Ashley Coy (HR), Ben Potocki, Jeremy Feldkamp.

Outstanding Defensive Plays—Blue Jays: Joe Aspiranti, Nick Brink, Stephanie Wesolowski, Scott Colvin. Tigers: Anne Frederick, Suzy Steele, Ryan Dunlap, Erin Armstrong.

Blue Jays 32, Cubs 11—

Leading Hitters—Blue Jays: Stephani, Nick B., Joe, Jon-Paul. Cubs: Bobby, Barney, Trevor, Ben.

Outstanding Defensive Plays—Blue Jays: Anie, Mario, Scott C., Nick K. Cubs: Steve, Sarah, Danie, Peter.

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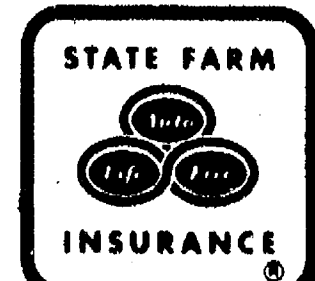
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OUT IN THE OPEN

By BILL MULLENDORE

I have mixed feelings about the upcoming Sept. 15-Oct. 6 first-ever mourning dove hunt in Michigan, provided it is held. The proviso is added because I am reasonably sure the procedure under which the season was set will be challenged in court, and the opponents have a strong legal case.

What it comes down to is that Michigan doves can stand being hunted, but I'm not at all certain that the public will hold still and let it happen.

The biological evidence supporting a Michigan dove season is overwhelming. The only difference the hunt could possibly make is that there will be slightly fewer Michigan-raised doves for sportsmen in the states to the south to shoot at. Some—not very many considering the ultra-conservative regulations prescribing a 22-day season with a daily bag limit of six birds—will be bagged in Michigan instead of in Illinois, Indiana, Ohio and other states all the way south to the gulf of Mexico.

About 50 million doves are harvested each year in the 35 states where they are open to hunting, yet the continental dove population of half a billion continues to increase. Mourning doves are remarkably prolific, rivaling rabbits in their ability to reproduce. Hunting doesn't make a dent in the breeding stock, which continues to build.

So why worry? Simply because I suspect that, if the issue were put to a popular vote, an overwhelming majority of Michigonians would disapprove of hunting doves. In setting this fall's season, the Natural Resources Commission made an end-run around the legal precedent which says, in effect, that all hunting seasons must be specifically approved by the Legislature.

Basis for the NRC action was a 1981 legislative act which declared mourning doves to be migratory game birds, which they are by federal law and treaty. Michigan had no choice but to follow the feds, who many years ago pre-empted regulatory control over all migratory birds (including ducks and geese). There is nothing in the law, however, to require that a state must prescribe an open season on any migratory species. Traditionally in Michigan, permission to hold hunting seasons on waterfowl and woodcock (also migratory birds) has been granted to the NRC by the Legislature. Whether the commission exceeded its authority by setting a dove hunt without a go-ahead from the Legislature is a legal question that I expect will be argued in court between now and Sept. 15.

What I fear is a swelling of anti-hunting sentiment, and that is the last thing Michigan hunters (or hunters anywhere) need. The very limited hunting opportunity that doves will offer may well turn out not to be worth the public relations price.

The sport of hunting continues to exist more or less by sufferance. Hunters constitute a small minority of the populace, and so do active anti-hunters. The vast majority doesn't hunt, but doesn't care if others do so long as their personal interests aren't intruded upon.

The mourning dove has adapted to life in the city. Because most people in Michigan live in cities, that is where they observe doves. The urban dove is a largish gray bird about two-thirds the size of a pigeon. It perches on utility wires, hunts food on lawns, picks up gravel from street-side gutters, and utters plaintive cooing calls. Doves are tame to the point of seeming stupid. How could any such creature be hunted?

What city dwellers don't see is the amazing personality change that doves undergo when they leave town and go out into the country to forage and fly south. They turn wild and wary, learning fast to avoid the places along their flight routes to and from feeding fields and water holes where hunters try to ambush them.

there is in southern Michigan is good dove habitat. Doves seek out open fields where they can feed on agricultural grain and wild seeds. They are not birds of the woods.

The season as set couldn't be worse from the standpoint of both landowner and hunter. The last thing a farmer wants in mid-September is hunters tramping through his fields of ripening fall crops. And hunters (or their dogs) won't be able to avoid going into the fields, if only to pick up downed birds.

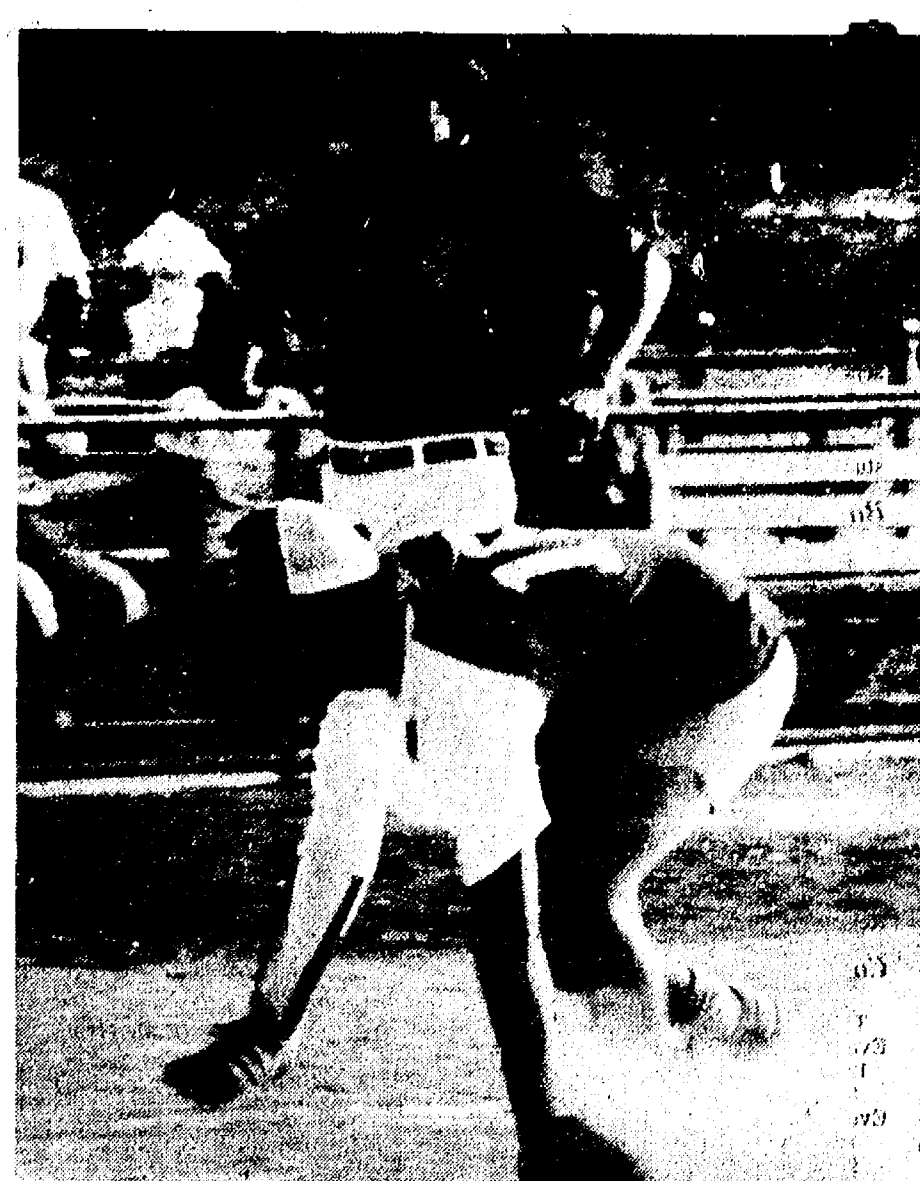
Beyond that, I have a hunch that most landowners just plain don't want doves to be shot. Look for a flowering of "No Hunting" signs during the days before Sept. 15.

The season could have been set later, and should have been. The dove migration doesn't occur in one big wave. It dribbles along for more than two months starting in early September. A few birds hang around through the winter, and there seem to be more of those stay-at-homes every year.

The DNR has predicted that about 40,000 hunters will take part in this fall's dove season. That is a very small fraction of the state's 700,000 or so small game hunters. On balance, I think the dove hunt is a mistake. I hope I'm proven wrong.



CORY BROWN of the Tigers takes a solid swing at a pitch thrown by his coach Craig Brown. Cory's team lost to the Orioles in a close contest, 16-13, in Farm League action.



TIM MERKEL of North American Exploration beats the play to the plate as catcher John Donajkowski of Vogel's Party Store has to scrape the ball out of the dirt on an errant throw. North American won the game handily, 18-5, and pushed their league record to 12-6.

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The Rev. Phil Farnsworth, Pastor
Every Sunday—
9:45 a.m.—Sunday school.
11:00 a.m.—Worship service and Sunday school nursery for pre-schoolers.
6:00 p.m.—Evening worship.
Every Wednesday—
7:00 p.m.—Christ's Ambassadors. Bible study and prayer.

Baptist—

GREGORY BAPTIST
The Rev. W. Truman Cochran, Pastor
Every Sunday—
9:45 a.m.—Sunday school.
11:00 a.m.—Morning worship.
6:00 p.m.—Young people.
7:00 p.m.—Evening worship.
Every Wednesday—
7:00 p.m.—Youth group.

Fellowship Baptist—

FELLOWSHIP BAPTIST
The Rev. Roy Harbison, pastor.
662-7036
Every Sunday—
3:00 p.m.—Worship service at the Rebekah Hall.

Catholic—

ST. MARY
The Rev. Fr. David Philip Dupuis, Pastor
Every Sunday—
12:00 noon-1:00 p.m.—Confessions.
6:00 p.m.—Mass.
Every Sunday—
7:00 a.m.—Mass.
9:00 a.m.—Mass.
11:00 a.m.—Mass.

Christian Scientist—

FIRST CHURCH OF CHRIST SCIENTIST
1182 Washenaw Ave., Ann Arbor
Every Sunday—
10:30 a.m.—Sunday school, morning service.

Church of Christ—

CHURCH OF CHRIST
1361 Old US-12, East
David L. Baker, Minister.
Every Sunday—
9:30 a.m.—Bible classes, all ages.
10:30 a.m.—Worship service. Nursery available.
6:00 p.m.—Worship service. Nursery available.
Every Wednesday—
7:00 p.m.—Bible classes, all ages.
First and Third Tuesday of every month—
7:00 p.m.—Ladies class.

Episcopal—

ST. BARNABAS
The Rev. Fr. Jerrold F. Beaumont, O.S.P.
Every Sunday—
10:00 a.m.—Eucharist, first, third and fifth Sundays.
10:00 a.m.—Morning Prayer, second and fourth Sundays.
11:00 a.m.—Eucharist, second and fourth Sunday.
Nursery available every Sunday. Family coffee hour follows all Sunday services.

Lutheran—

FAITH EVANGELICAL LUTHERAN
The Rev. Mark Porinsky, Pastor
Every Sunday—
7:30 p.m.—Evening worship.
Sunday, Aug. 4—
10:00 a.m.—Worship service with Lord's Supper. Sermon on Revelation 6:9-11.
Monday, Aug. 5—
9:00-11:45 a.m.—Vacation Bible School, continues through Aug. 9.
Wednesday, Aug. 7—
7:30 p.m.—Evening worship.
ZION LUTHERAN
Corner of Fletcher and Waters Rds.
The Rev. John R. Morris, Pastor
Wednesday, July 31—
Bible Times Marketplace at St. Paul United Church of Christ, continues through Aug. 1.
Every Sunday—
9:00 a.m.—Sunday school for nursery through grade, led by Pastor Morris.
10:15 a.m.—Holy Communion.

OUR SAVIOR LUTHERAN

1915 S. Main, Chelsea
The Rev. Franklin H. Giebel, Pastor
Sunday summer schedule—
9:00 a.m.—Worship service.
A schedule of Bible classes is available by calling 475-7669.

ST. JACOB EVANGELICAL LUTHERAN

12501 Rietmiller Rd., Grass Lake
The Rev. Andrew Bloom, Pastor
Every Sunday—
9:00 a.m.—Sunday school.
10:10 a.m.—Divine services.

ST. THOMAS LUTHERAN

Ellsworth and Haab Rds.
The Rev. John Riske, pastor
Every Sunday—
9:30 a.m.—Sunday school and Bible class.
10:00 a.m.—Worship service.

TRINITY LUTHERAN

5756 M-36, three miles east of Gregory
William J. Trosien, pastor
878-5977 church, 878-5016, pastor
Every Sunday—
8:00 a.m.—Worship service.
10:00 a.m.—Sunday and Bible school.
10:45 a.m.—Worship service.

Methodist

CHELSEA FREE METHODIST

7665 Wexford Rd.
Mearl Bradley, Pastor
Thursday, Aug. 1—
7:00 p.m.—Committees meet.
8:30 p.m.—Official Board.
Sunday, Aug. 4—
9:45 a.m.—Sunday school.
11:00 a.m.—Morning worship.
7:00 p.m.—Dave and Jan French, Missions Aviation.
Tuesday, Aug. 6—
7:30 p.m.—Growth Group.

SALEM GROVE UNITED METHODIST

3320 Notten Rd.
The Rev. David C. Collins, Pastor
Every Sunday—
9:30 a.m.—Church school.
11:00 a.m.—Morning worship.

FIRST UNITED METHODIST

Park and Territorial Rds.
The Rev. Larry Nichols and
The Rev. David Goldsmith, Pastors
Every Sunday—
10:00 a.m.—Sunday school.
11:15 a.m.—Worship service.

WATERLOO VILLAGE UNITED METHODIST

8118 Washington St.
The Rev. Larry Nichols and
The Rev. David Goldsmith, Pastors
Every Sunday—
10:00 a.m.—Sunday school.
11:15 a.m.—Worship service.

FIRST UNITED METHODIST

128 Park St.
The Rev. Dr. David Truran, Pastor
Inspiration Line: 475-1852.
Thursday, Aug. 1—
9:00 p.m.—Marketplace: 29 A.D.'s Summer church school experience at St. Paul United Church of Christ.
Sunday, Aug. 4—
8:45 a.m.—Crib Nursery opens.
9:00 a.m.—Worship service.
9:00 a.m.—Church school classes for children over two years of age but not in kindergarten.
10:00 a.m.—Church school classes conclude and Crib Nursery closes.
Monday, Aug. 5—
7:30 p.m.—Work Area on Education meets in the Education Building.

METHODIST HOME CHAPEL

Every Sunday—
8:45 a.m.—Worship service.

NORTH LAKE UNITED METHODIST CHURCH

14111 North Territorial Road
The Rev. David C. Collins, Pastor
Every Sunday—
9:00 a.m.—Worship service.
10:45 a.m.—Fellowship hour.

SHARON UNITED METHODIST

Corner Pleasant Lake Rd. and M-52
The Rev. Evans Bentley, Pastor
Every Sunday—
10:00 a.m.—Sunday school.
11:00 a.m.—Worship service.

Mormon—

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
1330 Freer Rd.
Wayne L. Winzenz, president
Every Sunday—
9:30 a.m.—Sacrament.
10:50 a.m.—Sunday school.
11:40 a.m.—Priesthood.

Non-Denominational—

CHELSEA CHRISTIAN FELLOWSHIP

337 Wilkin St.
Erik Hansen, Pastor
Every Sunday—
10:00 a.m.—Learning from God's word.
10:55 a.m.—Morning worship, prayer, service and Junior church.
6:00 p.m.—Bible instruction and fellowship.
Every Monday—
7:00 p.m.—Faith, hope and love, (women's ministry). Location to be announced.
Every Second Tuesday—
7:00 p.m.—Royal Ranger Christian Scouting.
Every Wednesday—
7:00 p.m.—Bible study and prayer for special needs.

CHELSEA CHRISTIAN MEN'S FELLOWSHIP PRAYER BREAKFAST

Chelsea Hospital Cafeteria
Second Saturday Each Month—
8:00 a.m.—Breakfast.
8:30-10:00 a.m.—Program.

CHELSEA FULL GOSPEL

11452 Jackson Rd.
The Rev. Chuck Clemmons, Pastor
Every Sunday—
10:00 a.m.—Sunday school.
11:00 a.m.—Morning worship.
6:30 p.m.—Evening worship.
Every Wednesday—
7:00 p.m.—Midweek prayer and Bible study.

CHELSEA HOSPITAL MINISTRY

Every Sunday—
10:00 a.m.—Morning service, Chelsea Community Hospital Cafeteria.

COVENANT

50 N. Freer Rd.
The Rev. Ron Smeenge, Interim Pastor.
Every Sunday, Summer Schedule—
9:30 a.m.—Worship service, child care provided.

IMMANUEL BIBLE

145 E. Summit St.
The Rev. John A. McLean, Pastor
Every Sunday—
9:45 a.m.—Sunday school, nursery provided.
11:00 a.m.—Morning worship, nursery provided.
6:00 p.m.—Evening worship.
Every Wednesday—
7:00 p.m.—Family hour, prayer meeting and Bible study.

MT. HOPE BIBLE

12884 Trist Rd., Grass Lake
The Rev. Leon R. Buck, Pastor
Every Sunday—
10:00 a.m.—Sunday school.
11:00 a.m.—Morning worship.
6:00 p.m.—Evening service.
Every Wednesday—
7:00 p.m.—Bible study.

NORTH SHARON BIBLE

Sylvan and Washburne Rds.
The Rev. Timothy E. Booth, Pastor
Every Sunday—
10:00 a.m.—Sunday school.
11:00 a.m.—Worship service.
6:00 p.m.—Senior High Youth meeting.
Youth choir.
7:00 p.m.—Evening worship service; nursery available. All services interpreted for the deaf.
Every Wednesday—
7:00 p.m.—Bible study and prayer meeting, nursery available. Bus transportation available: 428-7222.

Presbyterian—

FIRST UNITED PRESBYTERIAN

Unadilla
John Marvin, Pastor
Every Sunday—
11:00 a.m.—Worship service.

United Church of Christ—

BETHEL EVANGELICAL AND REFORMED

Freedom Township
The Rev. Roman A. Rebeck, Pastor
Every Sunday—
10:00 a.m.—Worship service.

CONGREGATIONAL

121 East Middle Street
The Rev. John Gibbon, Pastor
Friday, Aug. 2—
7:00 p.m.—Wedding rehearsal.
Saturday, Aug. 3—
5:00 p.m.—Wedding of Laurel Cobb and Michael Harwood.
Sunday, Aug. 4—
9:30 a.m.—Nursery for pre-school.
9:30 a.m.—Ecumenical Summer Sunday school.
9:30 a.m.—Worship service.
10:30 a.m.—Coffee and Fellowship gathering.
Monday, Aug. 5—
9:00 a.m.—Christian Education Work Day.

ST. JOHN'S

Rogers Corners, Waters and Fletcher Rds.
The Rev. Theodore Wimmier, Pastor
Every Sunday—
10:30 a.m.—Worship service, Sunday school.

ST. JOHN'S EVANGELICAL AND REFORMED

Francisco
The Rev. Paul McKenna, Pastor
Every Sunday—
10:30 a.m.—Sunday school and worship service.
First Sunday of every month—
Communion.

ST. PAUL

The Rev. Erwin R. Koch, Pastor
Sunday, Aug. 4—
9:15 a.m.—Continental Breakfast.
10:00 a.m.—Morning worship.



A LARGE, OLD MAPLE TREE was cut down on Madison St. just south of Park St. last Monday by a village crew. Shown in the bucket of the high-loader is Ray Szymonlak. In the shadows under the bucket is Ross Murphy. Several trees have been removed this summer because they are diseased, dying and dangerous.

Jehovah Witnesses Conclave Scheduled Aug. 1-4 at Pontiac

Pontiac will experience a temporary growth in population of some 40,000 come the first week in August. Pontiac is one of 59 cities in the United States selected to host conventions of Jehovah's Witnesses during the summer of 1985.

A total of 112 "Integrity Keepers" district conventions of the group will be held in the 59 cities selected. Stanley Weigel, spokesman at their world headquarters in New York City, said the events are expected to attract more than 1,100,000 delegates in all.

The "Integrity Keepers" convention is scheduled for the Silverdome in Pontiac. The dates are Aug. 1-4. About 40,000 delegates are expected to attend from Michigan, including many from the Chelsea and Dexter areas.

Christian Film Series Slated at Chelsea High

Christian Film Ministries will present a double feature film series on Friday, Aug. 2, and Saturday, Aug. 3, 7:30 p.m., at Chelsea High school auditorium. "Greater Than Gold" and "The Gospel According to Most People" will be shown free of charge. The entire family is encouraged to attend this non-denominational, non-profit series of films.

There will be a new feature every week-end during the month of August.

Christian Fellowship Vacation Bible School Scheduled Aug. 5-9

Fun and adventure are coming to the Chelsea Christian Fellowship church on Aug. 5-9 from 9 to 11:45 a.m. Boys and girls from pre-school through junior high are invited to attend this Vacation Bible School and participate in "Discovering God's Love on Sonrise Island," said the Rev. Erik Hansen.

The treasure island theme helps create an exciting atmosphere while featuring life-related Bible studies, creative crafts, lively songs and recreation. Classes are held at 337 Wilkin St.

For information and transportation call 475-1147. School director, Dorothy Thodeson is assisted by a qualified staff of teachers and helpers. Joan Drake is in charge of crafts and Mark and Dan Fletcher are puppeteers.

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Halfway House Escape Rate Increases Sharply

Nearly 23 percent of all felons living in halfway houses in Michigan this year are escaping (up from 17 percent last year) and the Michigan Department of Corrections is responding with a six-month pilot study to reduce the escapes and return escapers to custody.

The demonstration project, which is scheduled to begin about the second week in August, will cost the department about \$914,000 and will involve the employment of 28 persons in Flint, Detroit and Grand Rapids.

Perry M. Johnson, deputy director in charge of the Bureau of Field Services which runs the halfway house program in Michigan, said the employees will investigate and assist in the apprehension of escapers and will provide additional supervision at halfway houses in the three communities and some surrounding towns.

The state's halfway house program for pre-parole offenders has been in operation since 1968. It currently houses about 1,700 men and women offenders who are nearing parole during the first nine months. In fiscal 1985

there have been 689 escapes from the program.

Johnson said he is unable to account for the increase in escapes from the program. Department studies seem to indicate that escapers from the program commit more crime than do those who remain in the program.

"By reducing the number of escapes from the program we can reduce the potential risk to the public," Johnson said.

About 10 of the 28 new employees will be involved in the actual recovery unit. They will be given special training in surveillance, investigative techniques, self-defense and use of force. They will be accompanied by state or local police when actually apprehending escapers.

In addition to the apprehension of escapers, the teams also will be used to deter potential escapers by checking on offenders who are late for curfew.

The balance of the employees will provide additional staffing at the various halfway houses in the communities and in towns surrounding the communities.

CHELSEA SIDEWALK DAYS FLEA MARKET

Friday & Saturday, August 2-3

Location: Former site of Chelsea Lumber Co. on M-52 north of railroad.

SPACES FOR RENT \$10

Flea Market items only. No arts and crafts.

Contact Mary Hedding 475-8105 or Carol Smith 475-2038

Sponsored by Boy Scout Troop 425

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- Inverness Inn
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- Polly's Market
- Chelsea Pump 'N' Pantry
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- Sir Pizza
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★ IN GRASS LAKE ★

- Russell's Party Store

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- Captains Table
- Country Place
- Dexter Pharmacy
- Dexter Pump 'N' Pantry
- Huron Creek Party Store
- Main St. Party Store

★ IN GREGORY ★

- Plainfield Max's Mall
- Tom's Market
- ★ IN PORTAGE LAKE AREA ★
- The Trading Post

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- Unadilla Store

CHELSEA GENERAL HEALTH SERVICE

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Chelsea, Michigan 48118

Phone (313) 475-2088



DR. J. NICHOLAS KOFFEMAN

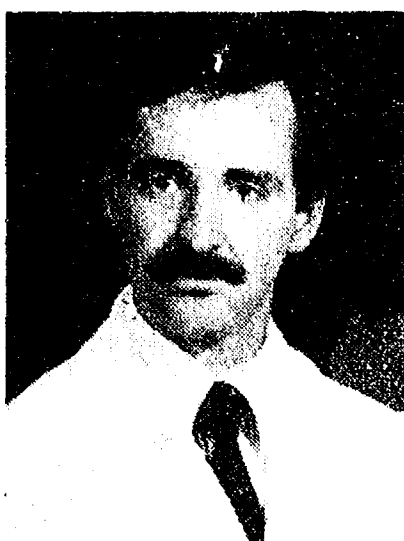
Attended Michigan State University and holds a B.S. degree in Human Biology. He is a graduate of the National College of Chiropractic in Chicago where he received his Doctor of Chiropractic degree.



DR. GEORGE N. KOFFEMAN

Graduated from Lincoln Chiropractic College in 1949. Did post graduate work at Palmer College - graduated, 1951. Maintained a practice in Jackson for the past 33 years in addition has practiced in Chelsea for the past 18 years.

Dr. Koffeman has completed three years post graduate work in orthopedics. He holds the certificate of Diplomate of the International College of Applied Kinesiology and has taught post graduate Applied Kinesiology to doctors of all health disciplines since 1972.



DR. PAUL VARNAS

Of Counsel

Is a graduate of Wayne State University and the National College of Chiropractic in Chicago. Dr. Varnas holds a B.A. degree in Chemistry and a B.S. degree in Human Biology as well as his Doctor of Chiropractic degree.

Chiropractic enjoys such a solid reputation for results in backache and headache problems that the public often does not realize that it is FIRST and FOREMOST a general health enhancement system.

There are six factors that relate to Health and six only!

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As nice as can be.
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Equipped just right.
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Only 41,000 miles.
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1979 PINTO Wagon — 48,000 miles, air, AM/FM stereo, rear-defogger, roof rack, radials, good condition, \$1,800. 662-1771 or evenings 426-8680. x8f

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73 CADILLAC CALAIS CLASSIC 4-door black beauty. AM/FM, air conditioning, power everything, 66,500 non-smoker gentle miles. If you want to ride in style call 475-9849. Price \$2,500. x10-2
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Auction 4f

SAURDAY, AUG. 3
1:00 p.m.

Located 3 miles south of Chelsea or 7 1/2 miles north of Manchester, Michigan on M-52, or Chelsea, Manchester Rd. to Scio Church Rd. then east 1 mile. House No. 20920, 2nd farm on left.
NOTE: even though this machinery is not it is nearly all in working condition.
Allis Chalmers "W.D. 45" tractor with remote control.
Allis Chalmers "W.D." tractor with manure loader.
John Deere "H" manure spreader on rubber, good condition.
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John Deere 1 1/2-ho grain drill, on rubber.
Superior horse-drawn grain drill.
Post hole digger for Allis Chalmers, never used.
Double disc.
Double cultipacker.
Allis Chalmers 2-14" trailer type plow w/remote lift.
Stock trailer, rough.
2 old wagons.
John Deere horse-drawn 2-row corn planter w/level boxes.
Alum: grain elevator w/elec. motor.
Horse-drawn cultivator, plows.
Allis Chalmers 2-row cultivator.
Bob sleigh and log rack.
Horse wheelbarrows and eavners.
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Ant. wood sled. Sleigh bells. Hand corn sheller.
Ant. hand tools. Wood pulleys. Foot-driven grinder.
Hammer, mill, fanning mill, buzz saw, 1122-333-1234.
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Pitcher pump. Caldron. Scrap pile.
Ant. Bed. Ant. chairs. Cracks, jugs.
Wood boat.
Many items not mentioned.
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FOR SALE — Frigidaire refrigerator; 30-inch electric stove; bicycles, 20" and 26". Ph. 475-3238. x9

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WILL PICK-UP most anything made of metal. Appliances, autos, no fencing. Ph. 475-1246. x13-7

KNAPP SHOES for cushioned comfort. Ph. 475-3420. x9-4

FOR SALE — Cast-iron DeWalt radial arm table saw with bench. Used very little. \$375. Ph. 662-1771 or 663-8228. x5f

Thornton REALTOR

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COUNTRY LIVING only minutes from everything. 4-bedroom ranch on large 1.13-acre lot. Chelsea schools. 2 heating systems, marvelous wrap around fireplace in living room. \$69,000.

STATELY FAMILY HOME on tree lined street in Chelsea. 5 bedrooms and a study. Family room with a fireplace. Formal dining room. Land contract possible. \$94,900.

RANCH HOME on large country lot near village. Enjoy privacy and quiet setting from large deck. Also features new exterior paint, carpet and flooring. Ideal starter or retirement home for \$45,000.

BEAUTIFUL PORTAGE LAKE — Partially remodeled 4-bedroom home with fenced yard. Deck and new dock at waters edge. Land contract possible. \$65,900.

NORTH LAKE — 1-acre lot on canal in area of exclusive homes. Some mature trees. Land contract possible. \$39,000.

Stove Easudes 475-7511
Lois Hogarty 475-8083
Norma Kern 475-8132
Lang Ramsay 475-8133
Helen Lancaster 475-1198
Gary Thornton 475-8857
Darla Bohlender 475-1478
George Knickerbocker 475-2646

For Sale 4

SINGER SEWING MACHINE, electric in blonde oak cabinet. Ph. 662-1771 or 663-8228. x9f
WURLITZER SPINET PIANO — Used very little, like new. Ph. 662-1771 or 663-8228. x9f
4-PC. MAPLE BEDROOM SET, full-size mattress and springs included. \$280. Ph. 475-9849. x9
UPRIGHT PIANO — Plays good. \$75. Ph. 475-1865. x9

CLARINET — Great condition. \$90. Ph. 475-1477. x9
TROMBONE — Excellent condition. \$125. Ph. 475-1477. x9
FOR SALE — Sonaid heat-massage lounge chair. Ph. 662-1771 or 663-8228. x9f
GREEN NAUGHAIDE — Custom-made corner booth, an eating table. Ph. 475-8427. x10-2

WEDDING STATIONERY — Prospective brides are invited to see our complete line of invitations and wedding accessories. The Chelsea Standard, 300 N. Main. Ph. 475-1371. 8f

Garage Sales 4b

YARD SALE — 656 Hoppe Rd., 2 miles west of Sylvan Center off Old US-12, Chelsea, Fri., Aug. 2, Sat., Aug. 3, 10 a.m. to 7 p.m. x9
GARAGE SALE — Fri., Aug. 2, 10:30 a.m. to 5:30 p.m.; Sat., Aug. 3, 9 a.m. to 5 p.m. 13735 Riker Rd., off North Territorial Rd. Baby cribs, high chairs, baby clothes, boys clothing, toys, miscellaneous. x9
HUGE FOUR-FAMILY garage sale. Many vacation and home items, linens, pots and pans, kitchen things. Clothing (children and adult), mini-freezer, two McCormick hayrakes on steel, wooden wagon wheel, Buescher flute, toys, Chrysler 4:11 post-axle 4-speed trans, '79 Charger. Other car parts. Many more items not listed. Friday-Saturday, Aug. 2-3, 9-5, 6693 Lingane Rd., Chelsea. x9
BARN SALE — Saturday & Sunday, Aug. 3-4. Snowmobiles, bikes, Atari with cartridges, clothing, dishes, kittens and much more. 13484 North Territorial (1st house east of Webb's Orchard). 475-5162. x9

YARD SALE — Clothes, sofa, tools. Simplicity garden tractors, cars, Farmall Super M. Aug. 1-2-3, Thursday-Friday, 9 a.m. to 5 p.m.; Saturday, 9 a.m. to 12 noon. 313 E. Middle, Chelsea. x9
MORE TREASURES and trash on Liberty, 1 mile west of Zeeb. Some antiques. Sat., Aug. 3, Sunday, Aug. 4, 9 a.m. to 5 p.m. x9
MOVING SALE — Fri., Aug. 2 and Sat., Aug. 3, 9 a.m. to 7 p.m. 117 W. Summit, Chelsea. x9

YARD SALE — Fri., Aug. 2, Sat., Aug. 3, 3317 Notten Rd., off Old US-12. Clothing (adult and children's), books, gas space heater. x9

2-FAMILY GARAGE SALE — 9 to 5, Friday, Aug. 2, 1222 Meadow Lane, Chelsea. 2 decorator cars, new toddler car seat, serving machine, front door, director chairs, Fisher-Price toys, clothing (boys sizes 2-8, girls 2-3), chair, ottoman. x9

3-FAMILY GARAGE SALE — Thurs., Friday, Aug. 1-2, 9 a.m. to 5 p.m., 13019 Old US-12, East, Chelsea. Clothing, chair, lamps, tables, miscellaneous. x9

MOVING SALE — 6771 W. Joy Rd., Dexter, Fri. and Sat. Aug. 2-3 rain or shine, 9 a.m. to 6 p.m. No early sales. Hide-A-Bed, 4-pc. redwood outdoor furniture, 25-in color TV floor model, large wall clock, hi-fi record player, portable stereo, dishes, glasses, tools and miscellaneous. x9

Antiques 4c

ADRIAN ANTIQUE MARKET — Aug. 4, 8 a.m. to 4 p.m. Lenawee County Fairgrounds, Adrian, MI. Over 100 dealers with quality antiques and collectibles. Admission \$1.50. x9
ANTIQUES and old things wanted: quilts, baskets, small furniture, toys, woodware, pictures, crockery, any collectible. Jean Lewis, 475-1172. x30
WANTED — Fostoria sherbet glasses with Heather design. Ph. Helen M. 475-1371 or 662-0524. x14f

Real Estate 5

CHELSEA FARM, 93 acres, 50 plus or minus under plow. Bordering Waterloo and McKinley Rds. Natural pond and wooded road frontage. Ph. 475-7843 or 475-1818. x10-2
BY OWNER in Chelsea — 2 miles south of I-94 exit 162, older, 2-story, 1,300-sq. ft. 2-bedroom home in need of handy-man, 12'x25' master bedroom, fireplace, country kitchen, Michigan basement, 27 beautiful wooded acres, 2-acre pond, plus several smaller ponds, stream runs thru length of property, 79,000. 127 S. Fletcher. 475-3536. x9
HOUSE FOR SALE by owner — 854 Union St., Grass Lake. Completely remodeled, new kitchen, cable TV available, 2-car garage. \$52,900. Ph. (313) 475-8814. x9

WATERLOO REALTY

LAKEFRONT — \$22,500! Big Portage Lake (Jackson County). 2-story, 3-bedroom home has a new roof, is insulated, has nat. gas heat, 1-car garage and is situated on a beautiful shaded lot with a superb sandy, sunny beach. Leased land. Better check this one.

GRASS LAKE SCHOOLS — Lake access to large chain of lakes. Nice 3-bedroom ranch has woodburner in family room. Brand new nat. gas furnace, full basement, pretty kitchen with dishwasher and lots of cupboards. On paved country road. 1/4 acre lot backs to Boy Scouts Wilderness campgrounds. \$44,500.

CHELSEA SCHOOLS — Cedar Lake private access and playground area is just across private road from this nice, well-built 2-bedroom home with full basement. Large enclosed porch has been converted into a cozy family room with insulation and heat. Shade trees on 70x150 ft. lot. Less than 2 mi. from Chelsea and I-94. \$45,000.

A PICTURESQUE HOUSE in a picturesque setting in the Waterloo Rec Area. This 3-bedroom home has great expansion possibilities in the large unfinished attic area. Large kitchen, formal dining room, ceramic bath, hardwood floors under carpet, plaster walls, partial basement, super-insulated, vinyl exterior. 1 1/2-car garage on a 100x150 ft. lot in country. Side and rear yard adjoin wooded State Land. \$45,000. 2 1/2 mi. off I-94.

ATTRACTIVE 1,600 SQ. FT. RANCH has 3 bedrooms, 1 1/2 baths, (rough plumbing in for 3rd bath), extra large kitchen with dining space, range and oven plus Jenn-Aire grille, fireplace in spacious living room. First floor laundry, full basement has extra high ceiling. 2 1/2-car garage. On 3.9 acres. Paved country road. 13 mi. from Chelsea. Grass Lake schools. \$79,000. Fed'l Land Bank Mfg assumption possible.

CLEAR LAKE — Chelsea schools. Beautiful large ranch home (2,400 sq. ft.) has 2 bedrooms, brick fireplace in spacious living room, 2nd kitchen and bath in lower walkout level. Wood deck, patio, Andersen windows throughout. Central vacuum, central air. Loads of storage. Easy on and off I-94. 8 mi. from Chelsea. \$85,000.

LAKEFRONT — RENT/OPTION — Home, MI. Beautiful quad-level home for the executive who enjoys entertaining. A real showplace that needs fun-loving owner-occupants. Spacious 3 bedrooms, 2 1/2 baths, two fireplaces. Rec room with wet bar and wood dance floor, family room has second kitchen, plus outdoor patio with BBQ. In-ground pool. Attached garage. Close to I-94 between Jackson and Marshall, MI. Reduced to \$85,000.

121-ACRE ESTATE with small private lake in the Waterloo Rec Area. Attractive home with hilltop setting of formal dining room and living room (with fireplace) open to country club style enclosed porch. 4 bedrooms, 2 full baths. Spacious kitchen with loads of cupboards has nice view of wooded rear yard. 3-car garage, stone smokehouse, very large old dairy-barn and other outbuildings. Woods and valleys lead to small private fishing lake at rear of property. Only 3 mi. off I-94. Chelsea schools. \$350,000. House and 10 acres may be purchased for \$189,000.

1/2 ACRE LOT WITH TREES near Sweet Lake in Sharonville State Game Area. 7 mi. west of Manchester. \$5,200. L.C. possible.

DEXTER SCHOOLS — 1-Acre Building Site — Just outside Dexter. Nice slope for walkout construction. Paved road. 10 min. from Ann Arbor. \$13,500.

3 ACRES, corner parcel is completely covered with mature evergreens. Ideal for a log home or rustic chalet in the hill terrain. Waterloo Rec Area. Close to I-94. 15 mi. from Chelsea. \$12,500. L.C. possible. Adjoining land available.

Real Estate 5

10 ACRES heavily wooded hills and valleys. Sharonville State Game Area. 7 mi. west of Manchester. Choice of secluded building sites. \$32,500. L.C. possible.

WATERLOO REALTY

355 Clear Lake
JOANN WARYWODA, BROKER
Phone 475-8674

Evenings and Sundays
Carol Warywoda 475-2377
Sue Lowe 1-517-522-5252 x9f

HOUSE FOR SALE by owner — 3-bedroom ranch, 1,800 sq. ft. on 2 acres, outside village near North school. Call 475-8262. x11-4

REAL ESTATE ONE

NELLY COBB, REALTOR
475-7236

THE BEST of country living only a couple of miles west of Chelsea. This beautiful newer quad level home has 3 bedrooms, 2 baths family room with woodburner, formal dining and more. Situated on a 1.75-acre hilltop site with your own private pond. \$86,500.

PERFECT for the large family, this lovely old victorian home has a possible 4 bedrooms, living room with fireplace, lg. glass enclosed screen porch, 1 1/2 baths, formal dining and more. Situated on a 1-acre hilltop site inside the village limits. \$69,900.

Real Estate 5

WATERLOO REALTY

LAKEFRONT — \$22,500! Big Portage Lake (Jackson County). 2-story, 3-bedroom home has a new roof, is insulated, has nat. gas heat, 1-car garage and is situated on a beautiful shaded lot with a superb sandy, sunny beach. Leased land. Better check this one.

GRASS LAKE SCHOOLS — Lake access to large chain of lakes. Nice 3-bedroom ranch has woodburner in family room. Brand new nat. gas furnace, full basement, pretty kitchen with dishwasher and lots of cupboards. On paved country road. 1/4 acre lot backs to Boy Scouts Wilderness campgrounds. \$44,500.

CHELSEA SCHOOLS — Cedar Lake private access and playground area is just across private road from this nice, well-built 2-bedroom home with full basement. Large enclosed porch has been converted into a cozy family room with insulation and heat. Shade trees on 70x150 ft. lot. Less than 2 mi. from Chelsea and I-94. \$45,000.

A PICTURESQUE HOUSE in a picturesque setting in the Waterloo Rec Area. This 3-bedroom home has great expansion possibilities in the large unfinished attic area. Large kitchen, formal dining room, ceramic bath, hardwood floors under carpet, plaster walls, partial basement, super-insulated, vinyl exterior. 1 1/2-car garage on a 100x150 ft. lot in country. Side and rear yard adjoin wooded State Land. \$45,000. 2 1/2 mi. off I-94.

ATTRACTIVE 1,600 SQ. FT. RANCH has 3 bedrooms, 1 1/2 baths, (rough plumbing in for 3rd bath), extra large kitchen with dining space, range and oven plus Jenn-Aire grille, fireplace in spacious living room. First floor laundry, full basement has extra high ceiling. 2 1/2-car garage. On 3.9 acres. Paved country road. 13 mi. from Chelsea. Grass Lake schools. \$79,000. Fed'l Land Bank Mfg assumption possible.

CLEAR LAKE — Chelsea schools. Beautiful large ranch home (2,400 sq. ft.) has 2 bedrooms, brick fireplace in spacious living room, 2nd kitchen and bath in lower walkout level. Wood deck, patio, Andersen windows throughout. Central vacuum, central air. Loads of storage. Easy on and off I-94. 8 mi. from Chelsea. \$85,000.

LAKEFRONT — RENT/OPTION — Home, MI. Beautiful quad-level home for the executive who enjoys entertaining. A real showplace that needs fun-loving owner-occupants. Spacious 3 bedrooms, 2 1/2 baths, two fireplaces. Rec room with wet bar and wood dance floor, family room has second kitchen, plus outdoor patio with BBQ. In-ground pool. Attached garage. Close to I-94 between Jackson and Marshall, MI. Reduced to \$85,000.

121-ACRE ESTATE with small private lake in the Waterloo Rec Area. Attractive home with hilltop setting of formal dining room and living room (with fireplace) open to country club style enclosed porch. 4 bedrooms, 2 full baths. Spacious kitchen with loads of cupboards has nice view of wooded rear yard. 3-car garage, stone smokehouse, very large old dairy-barn and other outbuildings. Woods and valleys lead to small private fishing lake at rear of property. Only 3 mi. off I-94. Chelsea schools. \$350,000. House and 10 acres may be purchased for \$189,000.

1/2 ACRE LOT WITH TREES near Sweet Lake in Sharonville State Game Area. 7 mi. west of Manchester. \$5,200. L.C. possible.

DEXTER SCHOOLS — 1-Acre Building Site — Just outside Dexter. Nice slope for walkout construction. Paved road. 10 min. from Ann Arbor. \$13,500.

3 ACRES, corner parcel is completely covered with mature evergreens. Ideal for a log home or rustic chalet in the hill terrain. Waterloo Rec Area. Close to I-94. 15 mi. from Chelsea. \$12,500. L.C. possible. Adjoining land available.

Real Estate 5

10 ACRES heavily wooded hills and valleys. Sharonville State Game Area. 7 mi. west of Manchester. Choice of secluded building sites. \$32,500. L.C. possible.

WATERLOO REALTY

355 Clear Lake
JOANN WARYWODA, BROKER
Phone 475-8674

Evenings and Sundays
Carol Warywoda 475-2377
Sue Lowe 1-517-522-5252 x9f

HOUSE FOR SALE by owner — 3-bedroom ranch, 1,800 sq. ft. on 2 acres, outside village near North school. Call 475-8262. x11-4

CLASSIFIED ADVERTISING

CASH RATES:

10 words or less...\$1.00 when paid before Sat., 12 noon
Add \$2.00 per insertion if charged — 7¢ per word over 10.

CHARGE RATES:

Add \$10 if not paid within 10 days following statement date.

THANK YOU/MEMORIAM

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CHARGE RATES:

Add \$10 if not paid within 10 days following statement date.

DEADLINE (classified section)

Saturday, 12 noon.

DEADLINE (late ad section)

Monday, 12 noon.

All advertisers should check their ad the first week. The Standard cannot accept responsibility for errors on ads received by telephone but will make every effort to make them appear correctly. Refunds may be made only when erroneous ad is cancelled after the first week that it appears.

Classifications

- Automotive...1
Motorcycles...1a
Farm & Garden...2
Equipment, Livestock, Feed
Recreational Equip...3
Boats, Motors, Mobile Homes, Snowmobiles, Sports Equip.
For Sale (General)...4
Auction...4a
Garage Sales...4b
Antiques...4c
Real Estate...5
Land, Homes, Cottages
Animals & Pets...6
Lost & Found...7
Help Wanted...8
Situation Wanted...8a
Child Care...9
Wanted...10
Wanted To Rent...10a
For Rent...11
Houses, Apartments, Land
Misc. Notices...12
Entertainment...13
Bus. Services...14
Financial...15
Bus. Opportunity...16
Thank You...17
Memoriam...18
Legal Notice...19

Real Estate 5

MCKERNAN REALTY INC.

RANCH — 3 bedrooms, 1 1/2 baths, full basement, aluminum exterior, 2-car garage, cement driveway. \$46,500.

BRICK RANCH, on blacktop road, Chelsea schools, 3 bedrooms, 1 bath, fireplace, family room, 2-car attached garage. On 2 acres. \$74,900.

THREE BEDROOMS, 2 baths, fireplace, sewing room, 40'x60' pole barn with water and electric for horses, fruit trees, garden area, on 3 acres. \$78,500.

LITTLE WANT ADS! BIG PLUSES FOR BIG RESULTS!

Washtenaw County's Busy Marketplace . . . Quick, Economical Results . . . Give 'em a try! Additional Classifieds on Page 6

Real Estate 5

Real Estate One

995-1616
For more information DAYS or EVENINGS
Contact
Nelly Cobb, REALTOR
475-7236

NEW! Approximately 1,800 sq. ft. 3-bedroom brick ranch with family room, new spacious enclosed solar porch, fireplace, full basement, 2-car garage plus pole barn on 10+ secluded acres just outside village. All for \$115,000 with a possible 15-year 11% land contract!

HIDDEN LAKE — Lovely 4-bedroom, 2 1/2 bath Colonial on 1 acre, Dexter schools. \$119,900. Bring all offers.

PICTURESQUE hilltop country setting just west of Chelsea Village limits. This newer quad-level home has 3 bedrooms, 2 baths, formal dining, family room with built-in woodburner, 2-car garage and more, on 1 1/2 plus acres with your own large private pond. \$86,500.

BOYCE RD. — Comfortable 3-bedroom ranch. Finished basement, double storage barn on 2-plus acres. \$57,500.

3-BEDROOM 2 1/2-bath, brick ranch on 4 acre hilltop-site just outside village limits. Fireplace, 2-car attached garage, 20x30 barn with 220 amp service. Terms. \$115,000, 15-year 10% land contract.

GRASS LAKE RD. — 3 or 4 bedrooms some hwd. floors, large country kitchen, lots of potential. Chelsea schools. \$48,000.

BEAUTIFUL 2,700 sq. ft. brick ranch with walk-out basement on 10 acres, 3 bedrooms, 3 baths, full basement, panoramic hilltop view, many premium extras. Possible land contract terms. \$119,500.

CHELSEA VILLAGE — Desirable neighborhood on Flanders St., near schools. 3 bedrooms, 2-car garage, full basement, oak floors, large lot with mature trees. Land contract. \$59,000. 475-1806. -x10-2

Animals & Pets 6

DOG — Free to good home. 5 yrs., Black Lab-Setter. 475-2618. -9

SIAMESE KITTENS — 10 weeks old, trained and shots. 428-7254. -x10-2

BEAGLE PUPS for sale — 6 weeks old. Ph. (517) 596-2522, after 4:30 p.m. -x9-2

BEAGLE PUPS — 8 weeks old, Ph. 475-2743. -x10-2

COLLIES — AKC lovely lassie pups, shots, wormed. (517) 595-3313. -x10-2

FREE KITTEN — 11-wk-old, half Siamese, female. White with brown-grey black markings. Cute face. Very, very playful. Call 475-7047 evenings. -9

Lost & Found 7

FOR LOST OR FOUND PETS — Phone The Humane Society of Huron Valley at 662-5585 between 11 a.m. and 5 p.m. Sunday through Saturday, closed holidays. 3100 Cherry Hill Rd., Ann Arbor. x38f

LOST DOGS (2) — Golden Retriever-mix, cream color, wearing brown nylon collar with milk-bone i.d. tag, male, 60 lbs.; Retriever-mix, reddish color wearing green nylon collar with milk bone i.d. tag, female, 55 lbs. Both gentle and probably shy. They have become separated. 448-2874 or 426-4988. -x9

Help Wanted 8

CROSSING GUARDS

For Elementary Schools
Part-time. Contact Chelsea Police Dept., 475-9122. -9

PART-TIME BARMAID — Mature, responsible. Experienced preferred. Aura Inn, 428-7993 after 6 p.m. -x9

AFL CORP.

filling positions in Livingston and Washtenaw counties. If you have sales experience or a strong desire to make a career in sales, need to make substantial income and are interested in lifetime financial security, call (517) 882-9070. -x10-2

NOW TAKING APPLICATIONS for a part-time evening janitorial position in Chelsea, Mich., through Fri. \$4 per hour. Apply at 521 State Circle, Ann Arbor. -x9

FULL-TIME QUALITY CONTROL operator to work 40 hrs. or more per week. Must be able to work nights, week-ends and holidays on short notice. Will be required to learn technical operations of facilities. Experience not necessary. Technical aptitude helpful. \$4.50 per hour. Call 475-7011 week-days between 10 a.m. and 2 p.m. -x10-2

U.S. RURAL MAIL CARRIER needs sub. for Sat. work and vacations. Must have dependable car with auto transmission. Good part-time job with excellent pay. Call 475-7701 evenings. -x9

IMMEDIATE OPENINGS

for temporary light industrial workers day and evening shifts in Chelsea, Dexter and Ann Arbor areas.

Call

KILLY "The Kelly Girl" People

for appointment

973-2300

for appointment

973-2300

for appointment

973-2300

for appointment

973-2300

for appointment

973-2300

for appointment

973-2300

Help Wanted 8

BARTENDER — WAITRESSES — Now hiring full- or part-time to start Aug. 20. Ph. 475-8141 or 475-8726. -x9

CUSTODIAL HELP — Part-time. Ph. 475-8141. -x9

COUNTER-SALES PERSON — Bowling merchandiser. Must be over 18 and willing to work days or nights. Ph. 475-8141 or 475-8726, ask for Ed. -x9

GENERAL WAREHOUSE WORKERS — apply 301 N. East St., Chelsea, Monday through Friday, 9 to noon. -x9

TYPIST

We are in need of 2 individuals with good typing ability to work 2nd or 3rd shift. One full-time, one part-time on call. Typing speed of 55 words or better, accuracy and attention to detail essential, competitive wage and excellent company benefits. Interested applicants please apply to

BookCrafters

140 BUCHANAN
CHELSEA, MICHIGAN 48118
CLERICAL HELP, OFFICE WORKER apply 301 N. East St., Chelsea, Monday through Friday, 9 a.m. to 12 noon. -x9

LIVE-IN COMPANION, housekeeper for elderly lady. Private room, wages. Reply to Box JU-31, care of The Chelsea Standard. -x9

HELP WANTED — Part- and/or full-time retail clerk positions in Chelsea, which will include some Monday evenings and Saturday hours. Please write for application to Box JU-17, care of Chelsea Standard. -x10-4

SALES AGENT

NATIONALLY KNOWN calendar manufacturer and specialty advertising company offers an opportunity for an industrious self-starter for full or part-time work. We need a sales oriented person to present our exclusive calendars, business gifts and extensive advertising specialty assortment to firms within the business community. The Thos. D. Murphy Co. is a pioneer in the advertising field since 1888, so you know we're here to stay. If you can organize your own time and determine your own success, write: Pat Murphy, The Thos. D. Murphy Co., P.O. Box 382, Red Oak, Iowa 51566. -x9-4

Situation Wanted 8a

HOUSECLEANING — Reasonable rates with dependable service. Call 475-7478. -x10-2

Child Care 9

CHILD CARE in my home, night and morning, 2 children 6 and 10 years old. Ph. 475-1539. -x9-2

CHELSEA/WATERLOO AREA — Loving, mature, woman wanted to babysit our kindergarten son and year-old daughter in our home, starting September, Monday-Friday, 7 a.m. to 5 p.m. Must have own transportation. References required. Call 475-2907. -x9-2

BABYSITTER NEEDED beginning in August for my 5-year-old. Clear/Cavanaugh Lake area. References required. Call after 6 p.m., 475-3230. -x9-2

LICENSED MOTHER of 2, within walking distance to South school, will care for your children full-time days. Call Janice, 475-7979. -x10-3

RESPONSIBLE, caring person wanted to care for five-month-old in our home. Part-time now. Teacher's schedule starting late August. 475-2486. -x9-2

BABYSITTER WANTED for 3 children, Pinckney, 2 days a week. Ph. 878-2188. -x10-2

BABYSITTING DONE in my Cavanaugh Lake home. Responsible and caring mother to babysit for you, for infant to pre-school ages. Call 475-3320. -x10-2

Wanted 10

CASH FOR BIKES — We buy adult size brand name bicycles. Student Bike Shop, 607 S. Forest at S. University, Ann Arbor, 662-6986. -x10-2

Wanted to Rent 10a

2-BEDROOM Dexter apartment or house for working woman, long-time Dexter resident. Urgent—needed early fall. Call D. Rutkowski, 763-5444, 8-5 or 761-8384 after 6 p.m. -x12-4

TEACHER wants to rent apartment or house with 2 or 3 bedrooms. Occupancy in 2 to 3 weeks. Excellent references. Call after 5 p.m. 1-(517) 524-7469. -x11-3

CHELSEA TEACHER'S family would like a house to rent year around in the School District. Excellent references. 475-7335. -x15-11

CASH FOR LAND CONTRACTS

Any type property anywhere in Michigan. 24 Hours. Call Free 1-800-292-1550. First National Acceptance Co. -x9

Wanted to Rent 10a

FAMILY with 2 young children desires to rent 2-3 bedroom house in Chelsea-Dexter area. No pets. Non-smokers. Mon.-Fri., 8-5, 761-6722. -x11-3

WANTED — Female to share expense of apartment in Chelsea. No drinking or smoking. Write file H-31, Chelsea Standard, Chelsea. -x10-2

POSTAL EMPLOYEE seeks one bedroom, or efficiency apartment, Chelsea area starting mid-August. 483-7248 after 3 p.m. -x11-5

3-BEDROOM HOME, Chelsea School District. McKernan Realty, 475-8424. -x9-4

For Rent 11

New Apartments for Rent

2 bedrooms, 1 1/2 baths, all appliances, individualized patios, heat and air conditioning. Central laundry-matic. Call 475-9544 for information and applications. -x9-2

ROOMS by day, week or month. Excellent for the single man or retiree. Sylvan Hotel, Chelsea, Ph. 475-2911. -x31f

CAR RENTAL by the day, week-end or month. Full insurance coverage, low rates. Call Lyle Christwell at Palmer Motor Sales, 475-1301. -x38f

FOR RENT — Fair Service Center for meetings, parties, wedding receptions, etc. Weekdays or week-ends. Contact Mark Staphis, phone 426-3529. -x29f

2-BEDROOM HOUSE, Patterson Lake access. Woodburner stove. \$400/mo. rent. Ph. 231-1914. -x9

DUPLEX — Modern Dexter duplex. 2-bedroom, fully carpeted. No pets. \$325 plus utilities. Call 426-4125. -x9

HOUSE FOR RENT — On Silver Lake. 3 bedrooms, 2 baths, carpeted, appliances, double garage, about Sept. 1st. \$700. 426-3737. -x10-2

EFFICIENCY APARTMENT in Chelsea, \$175 per month, utilities included. 475-9630. -x9

1-BEDROOM APARTMENT in lovely old Victorian home in Chelsea, utilities included, \$260. Available in mid-August. 475-2565. -x9

RELAX

Overlooking acres of rolling land, 4720 Kolmbach Rd., 3 bedrooms, separate dining, near I-94 and Cavanaugh Lake, 15 minutes to Ann Arbor. \$575.00 per month. Call Basso Real Estate at 652-8042 or res. 652-6429. -9

Misc. Notices 12

SICK OF SMOKING? **FED UP WITH FAT?** **READY TO RELAX?** Use safe, effective Hypnotherapy to reach your goals. Terri White R.N., M.S. Hypnotherapist. Phone 994-4644. -x33f

Bus. Services 14

General

Septic Tanks Pumped

Special \$55
2,000 gallon pump
No hidden charges
Years of experience.
Senior Citizens discount

Also Bulldozer and Back Hoe Work, Sand, Gravel and Top Soil, Driveways
HEYWOOD SANITATION

5500 East Michigan Ave.
Michigan Center
Call Anytime
1-(517) 764-6872
or page me at
1-(517) 783-7239 -x11f

GLASS

RESIDENTIAL/COMMERCIAL/AUTO EXPERT-INSTALLATION AND REPAIR STORMS/SCREENS, INSULATED GLASS SAFETY GLASS, STAINED GLASS REPAIRED

475-7880
INSURANCE CLAIMS HONORED
FREE ESTIMATES
Quality Service at a Reasonable Price

WATERLOO GLASS CO.

LICENSED - INSURED
NORMAN SMITS -x9-5

Kelly Services

IMMEDIATE OPENINGS FOR WORK IN THE CHELSEA AREA

ALL SKILL LEVELS
BEING ACCEPTED
AT OUR RECRUITING CENTER
IN CHELSEA

Come in and Register
THURSDAY ONLY
DATE: Thursday, Aug. 1
TIME: 9 a.m. - 3:00

LOCATION: Citizens Trust Building
1478 Chelsea/Huntsdale Rd., Chelsea

KILLY "The Kelly Girl" People

3003 Washtenaw, Suite 2
Ann Arbor, Michigan 48104
Telephone: (313) 973-2300

Not an agency - Never a fee M/F/W

Window Screens Repaired
Reasonable rates

Chelsea Hardware
110 S. Main Ph. 475-1121
SEAMLESS GUTTERS, roofing, siding. Free estimates. Walkome Home Improvement Co., 428-8468. -x3f

Bus. Services 14

SEWING ALTERATIONS

Professional service at a reasonable price. Hems, zippers, and simple alterations.
Ph. 475-7478 -x9-2

PIANO TUNING and repair. Qualified technician. Call Ron Harris, 475-7134. -x22f

We Offer Sales & Service

RCA - ZENITH - Philco - Quasar - Sony - B & W and Color TVs
NuTone - Channellmaster - Wingard - Cobra CB Radios
Master Antenna Specialists
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Commercial, Residential, Paging Intercom Systems
NuTone Parts and Service Center
Hoover Vacuum Dealers and Service Specialists

We service other leading brands
Senior Citizens 10% Discount.

LOY'S TV CENTER

512 N. Maple Rd., Ann Arbor
769-0198
Master Charge, Visa Welcome -x37f

Carpentry/Construction

DAVE'S SIDING & ROOFING
Aluminum and vinyl siding. Custom trim and gutters. 1-(517)-851-7740. -x8f

ROOFING, SIDING, REMODELING, cement. Jim Hughes. 475-2079 or 475-2582. -x13-7

JOHN KERR, Construction

Addition, Decks, Fencing, Re-Roofing
Licensed Builder.
John Kerr 426-2174 or George Menge 475-2416. -x52-4f

R. L. BAUER Builders

LICENSED AND INSURED
Custom Building
Houses - Garages - Pole Barns
Roofing - Siding - Concrete Work
FREE ESTIMATES

Call 475-1218
1400 N. Zeeb Rd., Chelsea, MI 48118
475-1218

RON MONTAGNE CONSTRUCTION

Full carpentry services (rough and finish)
Additions, remodeling and repairs
Replacement Windows
Concrete
Roofing and siding
Cabinets and Formica work
Excavating and Trenching

QUALITY WORKMANSHIP
FREE ESTIMATES
475-1080
LICENSED -x19f

POLE BARN — 2-story barns as kits or installed, any size. 1-498-2333. -x11-4

Excavating

SAND GRAVEL

KLINK EXCAVATING
Bulldozer — Backhoe
Road Work — Basements
Trucking — Crane Work
Top Soil — Demolition
Drainfield — Septic Tank
Trenching, 5' up
Industrial, Residential, Commercial
CALL 475-7631 -x13f

LITTLE WACK EXCAVATING

Basement — Drainfields
Bulldozing — Digging
Snow Removal — Tree Removal
LICENSED AND INSURED

Paul Wackenhut
Ph. 428-8025 -x52f

LAND — Gravel — Drainfield Stone. Loading daily. Pitt located on M-52, 5 miles south of I-94. -x9-2

Repairs/Improvements
FOSTER'S SMALL ENGINE REPAIR — B & S, Tech, Kohler, parts stocked. Repair all makes lawnmowers, riding mowers, chain saws, rototillers, snow throwers. Blades sharpened. Reasonable rates. 475-2623. -x11-12

COMPLETE SMALL ENGINE SERVICE — Lawn mowers, tillers, garden tractors, chain saws, and snow blowers. Chains sharpened. Chelsea Hardware Garden n' Saw Shop, 475-1121. -x16f

Bus. Opportunity 16

OWN YOUR OWN Jean-Sportsweat, Ladies Apparel, children's, large size, combination store, accessories. Jordache, Chic, Lee, Levi, E Z Street, Izod, Esprit, Tommy, Calvin Klein, Sergio Valente, Evan Picone, Liz Claiborne, Members Only, Organically Grown, Gasoline, Healthfix, over 1,000 others. \$13,300 to \$24,900 inventory; training, fixtures, grand opening, etc. Can open 15 days. Mr. Loughlin (612) 888-6555. -x9

Card of Thanks 17

CARD OF THANKS
The family of Eric Case wishes to express their deepest gratitude and thanks to all our friends and relatives who have given us their love and help during our time of sorrow.

Mr. and Mrs. Cas Case.
Mr. and Mrs. Paul Case,
Scott and Craig.
Mr. and Mrs. Melvin Watts, Jr.,
and Nicole.
Miss Nancy Case.
Mrs. Zella LeVan.

THANK YOU

The Class of '75 reunion planning committee would like to thank all who helped to make our 10th year reunion a success. We'd like to show our appreciation to Joe Merkel and staff at the Wolverine Bar for allowing us to meet there. The Chelsea Standard for their time writing our articles, and to Video Genics in Manchester for video taping our reunion. Special thanks is given to all the Grandmas and Grandpas who gave up their Saturday night to babysit, and finally to those of the Class of 1975 who showed their support and enthusiasm by attending.

Terri Gilbreath Saarinen,
Don Messner, co-chairmen.

THANK YOU

On behalf of the Chelsea Music Boosters, I would like to thank Palmer Ford, BookCrafters, Chelsea Industries, Chelsea Lumber and Dana Products for their generous contribution towards our scholarship program.

Claudette Baker, treasurer.

Legal Notice 19

MORTGAGE SALE
Default having been made in the terms and conditions of a certain mortgage made by JANICE M. MCGINN, of Manchester, Michigan, to Great Lakes Federal Savings & Loan Association, of the City of Ann Arbor, Washtenaw County, Michigan, a corporation organized under the Home Owners' Loan Act of 1933, of the United States of America, as amended, Mortgagee, dated the 26th day of January, 1983, and recorded in the office of the Register of Deeds for the County of Washtenaw, and State of Michigan, on the 1st day of February, 1983, in Liber 1863 of Washtenaw County Records, at Page 475, on which mortgage there is claimed to be due, at the date of this notice, for principal and interest, the sum of Forty Two Thousand One Hundred Forty and 27/100 (\$42,140.27) dollars plus an escrow deficit of One Hundred Forty Five and 18/100 (\$145.18) dollars plus deferred late charges of Twenty and 43/100 (\$20.43) dollars;

And no suit or proceedings at law or in equity having been instituted to recover the debt secured by said mortgage or any part thereof;

Now, Therefore, by virtue of the power of sale contained in said mortgage, and pursuant to the statute of the State of Michigan in such case made and provided, notice is hereby given that on the 5th day of September, 1985, at 10 o'clock in the forenoon, Local Time, said mortgage will be foreclosed by a sale at public auction, to the highest bidder, at the Huron Street entrance to the Washtenaw County Building in the City of Ann Arbor, Washtenaw County, Michigan (that being the building where the Circuit Court for the County of Washtenaw is held), of the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due, as aforesaid, on said mortgage, with the interest thereon at Twelve and 25/100 (12.25%) per cent per annum and all legal costs, charges and expenses, including the attorney fees allowed by law, and also any sum or sums which may be paid by the undersigned, necessary to protect its interest in the premises. Said premises are situated in the Village of Manchester, County of Washtenaw, State of Michigan and described as:

Lot 18, Block 42, original plat of the Village of Manchester, excepting therefrom the easterly 1 rod in width, Washtenaw County, Michigan.

During the 6 months immediately following the sale, the property may be redeemed. Dated at Ann Arbor, Michigan, July 16, 1985.

GREAT LAKES FEDERAL

STATE OF MICHIGAN
Probate Court
County of Washtenaw
CLAIMS NOTICE
INDEPENDENT PROBATE
File No. 85-2574-IE
Estate of ALFONZO SMITH, Deceased.
Social Security Number 426-86-7502.
TO ALL INTERESTED PERSONS:
Your interest in the estate may be barred or affected by the following:
1. The decedent, whose last known address was 1272 Kuehnle Court, Ann Arbor, Michigan 48103 died 06/13/85.
2. An instrument dated N/A has been admitted as the will of the decedent.
3. Creditors of the decedent are notified that all claims against the estate will be barred unless presented within four months of the date of publication of this notice, or four months after the claim becomes due, whichever is later. Claims must be presented to the independent personal representative, MARGARET A. SMITH, 1272 Kuehnle Court, Ann Arbor, Michigan 48103.
Notice is further given that the estate will be thereafter assigned and distributed to the persons entitled to it.
HAMILTON & McDONALD, P.C.
Attorneys for Estate
BY: FREDERICK L. McDONALD P-17366
3001 S. State Street, Suite 703
Ann Arbor, Michigan 48104 (313) 769-8570
July 31

STATE OF MICHIGAN
THE DISTRICT COURT
14-1 JUDICIAL DISTRICT
Case No. 85-1248
HARRY N. WALTERS, as Administrator
of Veterans Affairs, Plaintiff,
vs.
CRAIG L. WINGART, Defendant.
ROBERT M. CRAFT, P35615
Attorney for Plaintiff
1500 Jackson County Tower Bldg.
Jackson, MI 49201
(517) 787-9481
CRAIG L. WINGART,
Defendant
507 Ivanhoe
Ypsilanti, MI 48197

ORDER FOR SUBSTITUTED SERVICE
At a session of said Court held in the Court-house in the City of Ypsilanti, County of Washtenaw, State of Michigan this 11th day of July, 1985.
PRESENT: HON. John B. Collins, District Judge.
This matter having come before the Court on the Petition of the Plaintiff for substituted service, and this Court having reviewed said petition and supporting exhibits, will exercise its discretion pursuant to MCR 2.105(1) and allow service of the Summons and Complaint on the Defendant by publication of same.
s/John B. Collins,
District Judge.

STATE OF MICHIGAN
THE DISTRICT COURT
14-1 JUDICIAL DISTRICT
7200 Huron River Drive,
Ypsilanti, Michigan (313) 483-5300
Case No. 85-1248
Robert M. Craft P35615
Curtis, Davidson & Curtis, P.C.
1500 Jackson County Tower Bldg.
Jackson, Michigan 49201
(313) 787-9481

ADMINISTRATOR OF VETERANS' AFFAIRS
477 Michigan Avenue
Detroit, Michigan 48228.
Plaintiff
CRAIG L. WINGART,
507 Ivanhoe
Ypsilanti, MI 48197,
Defendant.

SUMMONS
In the name of the People of the State of Michigan, **TO THE DEFENDANT:**
You are summoned to appear in 14-1 District Court, on August 18, 1985 at 9:00 a.m. at the above address.
2. The Plaintiff has filed a Complaint against you and wants to forfeit your land contract, and to evict you from 507 Ivanhoe, Ypsilanti, Michigan 48197.
3. If you are in District Court on time, you will have an opportunity to give the reasons why you feel you should not be evicted. Bring witnesses, receipts and other necessary papers with you. You may demand a trial by a jury.
4. You will lose your right to a jury trial unless it is demanded at your first response, written or oral. The jury fee must be paid when demand is made.
5. If you are not in District Court on time you may be evicted without trial and a money judgment may be entered against you.
Date issued by Court: July 11, 1985.
Court Clerk: Marilyn Pitcher
By: Joyce L. Kulin, Deputy Court Clerk.
July 24-31-Aug. 7.

MORTGAGE SALE - Default having been made in the terms and conditions of a certain mortgage made by JOSEPH J. GAILUNAS and LAURIE A. GAILUNAS, his wife, Mortgagee, to Standard Federal Savings and Loan Association, now known as Standard Federal Bank, savings bank, of Troy, Oakland County, Michigan, Mortgagee, dated February 24, 1981, and recorded in the office of the Register of Deeds for the County of Washtenaw and State of Michigan, on February 27, 1981, in Liber 792, on Page 956, of Washtenaw County Records, on which mortgage there is claimed to be due, at the date of this notice, for principal and interest, the sum of Fourteen Thousand Six Hundred Eighty and 22/100 Dollars (\$14,680.22); and no suit or proceeding at law or in equity having been instituted to recover the debt secured by said mortgage or any part thereof. Now, Therefore, by virtue of the power of sale contained in said mortgage, and pursuant to the statute of the State of Michigan in such case made and provided, notice is hereby given that on Thursday, August 22, 1985, at ten o'clock A.M., local time, said mortgage will be foreclosed by a sale at public auction, to the highest bidder, at the West entrance to the Washtenaw County Building in the City of Ann Arbor, Washtenaw County, Michigan (that being the building where the Circuit Court for the County of Washtenaw is held), of the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due, as aforesaid, on said mortgage, with the interest thereon at Fourteen and One-Half percent (14.50%) per annum and all legal costs, charges and expenses, including the attorney fees allowed by law, and also any sum or sums which may be paid by the undersigned, necessary to protect its interest in the premises, which said premises are described as follows:
All that certain piece or parcel of land situated in the Township of Ypsilanti in the County of Washtenaw, State of Michigan, and described as follows:
The South 13.25 feet of Lot 83 and Lot 82, except the East 29.70 feet thereof, WASHTENAW RIDGE NO. 1, as recorded in Liber 14 of Plats, Page 17, Washtenaw County Records.
During the six months immediately following the sale, the property may be redeemed.
Dated at Troy, Michigan, June 21, 1985.
STANDARD FEDERAL BANK, a savings bank Mortgagee.
RONALD J. PALMER
Attorney for Mortgagee
2401 West Big Beaver Road
Troy, Michigan 48064
July 10-17-24-31-Aug. 7

STATE OF MICHIGAN
Probate Court
County of Washtenaw
CLAIMS NOTICE
INDEPENDENT PROBATE
File No. 85-2574-IE
Estate of MARGUERITE SYLVIA BRADLEY, Deceased. Social Security Number 011-26-0999.
TO ALL INTERESTED PERSONS:
Your interest in the estate may be barred or affected by the following:
1. The decedent, whose last known address was 215 Park Street, Chelsea, Michigan, died May 13, 1985.
2. An instrument dated May 3, 1985 has been admitted as the will of the decedent.
3. Creditors of the decedent are notified that all claims against the estate will be barred unless presented within four months of the date of publication of this notice, or four months after the claim becomes due, whichever is later. Claims must be presented to the independent personal representative, ANNE M. COMEAU, 3480 Conway Road, Chelsea, Michigan 48118.
Notice is further given that the estate will be thereafter assigned and distributed to the persons entitled to it.
KEUSCH AND FLINTOFT, P.C.
Attorneys for the Estate
BY: PETER C. FLINTOFT, P-13531
119 South Main Street, P.O. Box 187
Chelsea, Michigan 48118
313/475-8671.
July 31

In the Circuit Court for the County of Washtenaw
File No. 85-34182-DM
Hon. William F. Ager, Jr.
TEDFORD WALLACE INGRAM, Plaintiff
vs.
ELISABETH ANN INGRAM, Defendant
ORDER TO ANSWER
AND ORDER OF PUBLICATION
Walter K. Hamilton (P-14577)
Attorney for Plaintiff
EGNOR, HAMILTON & MUTH
33 South Huron Street
Ypsilanti, MI 48197
313/483-1679

At a session of said Court held in the Washtenaw County Courthouse in the City of Ann Arbor, County of Washtenaw and State of Michigan this 19th day of July, 1985.
Present: Honorable William F. Ager, Jr., Circuit Judge.
On the 11th day of June, 1985, an action was filed by the Plaintiff against the Defendant in this Court for an absolute divorce.
IT IS ORDERED that the Defendant, Elisabeth Ann Ingram, shall answer or take such other action as may be permitted by law on or before the 10th day of October, 1985. Failure to comply with this Order will result in Judgment by Default against such Defendant for the relief demanded in the Complaint filed in this Court.
IT IS FURTHER ORDERED that a copy of this Order shall be published once a week for three weeks in a widely circulated newspaper and an Affidavit of Publication filed thereafter.
William F. Ager, Jr.
Circuit Judge
EGNOR, HAMILTON & MUTH
By: Walter K. Hamilton (P-14577)
Attorney for Plaintiff
A True Copy
Walter K. Hamilton, Attorney
July 31-Aug 7-14

Soil Conservation District Offers Fall Tree Sale

The board of directors of the Washtenaw County Soil Conservation District has announced the District's annual Fall Tree Seedling Sale. This is the sixth time this program has been offered to the citizens of Washtenaw county in addition to the annual Spring Sale.

Purpose of the tree sale is to offer landowners seedlings for conservation uses which include, reforestation, soil erosion control, wildlife habitat, windbreaks, and aesthetic purposes.

Five species will be available: Austrian Pine, White Pine, Norway Spruce, Colorado Blue Spruce and Douglas Fir. Orders with payment in full will be accepted until Friday, Oct. 4. Trees may be picked up on Wednesday, Oct. 9 and Thursday, Oct. 10 at the Soil Conservation District Office, between 8 a.m. and 4:30 p.m. For more information and to obtain order forms, contact the Soil Conservation District Office, 6101 Jackson Rd., Ann Arbor, 1/2 mile west of Zeeb Rd., telephone 761-6721.

Free Leaflet Explains Security Deposit Problems

Are you a renter having problems getting your security deposit back? Michigan's security deposit law outlines what the tenant and landlord must do concerning forwarding addresses, list of damages, and disputes. The intent of the security deposit law is to ensure that disputes are handled fairly and through the legal process.

The Tenants Resource Center, which counsels 10,000 people annually, has developed a free leaflet that states each of the steps for the return of security deposits. For a free leaflet send a self-addressed stamped business envelope to: Security Deposit Leaflet, Tenants Resource Center, 300 Bailey Street, East Lansing 48823.

For further information or questions call (517) 337-9795.

Subscribe today to The Standard



AN ELECTRONIC TEACHER'S AID was recently purchased by Helen Prohaska's third grade class at South school with the first-place money the children won for sales of notepads to raise money for playground equipment. The \$100 prize was awarded by the Parent Teachers South

organization. "Charlie" the robot allows children to answer questions electronically, and when they have selected the correct answer, Charlie's head lights up. Above, Justine Navin, left, and Gretchen Erskine, try out the new equipment.

RESOLUTION

BE IT RESOLVED, AND IT IS HEREBY RESOLVED, that the Village Council of the Village of Chelsea does hereby adopt, approve and promulgate Ordinance No. 98, AN ORDINANCE REGULATING THE DISCHARGE OF POLLUTANTS FROM NON-DOMESTIC USERS WITHIN THE VILLAGE OF CHELSEA, and the Clerk of said Village be and is hereby directed to publish ARTICLE I-GENERAL PROVISIONS in the Village of Chelsea, in The Chelsea Standard, or any other paper of general circulation, and otherwise record said instrument within the Book of Ordinances.

Evelyn Rosentreter
Village Clerk
Village of Chelsea

ARTICLE I

GENERAL PROVISIONS

Section 101. Purpose and Policy This Ordinance sets forth uniform requirements for discharges into the Chelsea wastewater collection and treatment system and enables the Village to protect public health in conformity with all applicable local, State and Federal laws relating thereto.

The objects of this Ordinance are:

a. to prevent the introduction of pollutants into the Chelsea wastewater system which will interfere with the normal operation of the system or contaminate the resulting municipal sludge;

b. to prevent the introduction of pollutants into the Chelsea wastewater system which do not receive adequate treatment in the Publicly Owned Treatment Works (POTW), and which will pass through the system into receiving waters or the atmosphere or otherwise be incompatible with the system;

c. to improve the opportunity to recycle and reclaim wastewater and sludge from the system.

This ordinance provides for the regulation of discharges into the Chelsea wastewater system through the enforcement of administrative regulations. This Ordinance does not provide for the recovery of operations, maintenance or replacement costs of the POTW or the costs associated with the construction or collection and treatment systems used by Industrial Dischargers, in proportion to their use of the POTW, which are the subject of separate enactments.

Zoning Inspector Hours Reduced

(Continued from page nine)
spend if it's for something they want to do."

The motion to limit the zoning inspector's hours to 15 per week was passed 6-1 with trustee Richard Steele casting the no vote. Mac Fuiks made the motion and was supported by Herman Radloff. Also voting in favor were president Jerry Satterthwaite, Jim Finch, Stephanie Kanten and Joe Merkel.

Standard Want Ads
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Combine Header Is Hazardous Repair Spot

One of the most hazardous aspects of grain harvesting is the potential unexpected dropping of the combine header when the operator is working on it.

"Whenever anything is going to be done around the header, the combine's engine is turned off and the header locking mechanism should be put in place," says Howard J. Doss, Michigan State University Co-operative Extension agricultural safety specialist. "If the unit does not have a locking mechanism, blocks of wood capable of supporting 700 pounds or more should be placed under the header before any work is begun."

Statistics show that combine header accidents crush at least one person to death in Michigan each year.

"These usually occur during adverse harvesting conditions after the operator has failed to follow proper safety procedures because he or she is so frustrated with the problem," Doss says. "I think it is important for the operator to realize that frustration can be a forerunner to an accident and when anxiety begins to build, it is time to take a break or go for a walk to relieve tension."

Doss also says there is no substitute for pre-harvest combine adjustment and maintenance. Most combine operator's manuals have a listing of potential problems that could be encountered in the field, and causes and solutions for machine malfunctions.

"Being familiar with potential problems sure beats guessing

when trouble arises," Doss says. "Though experienced operators may feel they know all there is to know about harvesting, most of the people who have been killed were experienced."

Doss urges all harvesters to buy an operator's manual if they don't have one, to review it and to keep it in the cab of the combine throughout harvest. They should also carry blocks of wood for combines without lock-out mechanisms.

Doss recommends the following procedures when the combine header malfunctions:

-Disengage the header and turn the engine off.

-Place the metal bar or lock-out pin in position on the header according to the manufacturer's directions in the operator's manual: This is critically important for combines with automatic header leveling devices.

-For units without a bar or lock-out pin, place the blocks of wood under the raised header at the far ends of the header.

"No one should at any time get under a raised combine header that has not been blocked or locked out," Doss says. "Operators should never trust the hydraulic system to hold the header in a raised position."

Operators should also remember that, under state law, the widest combine that can travel a public road in the daytime is 15.5 feet. After dark, the widest is 9 feet. A combine that travels roads must have highly visible lights on the front and back and must carry a SMV sign on the rear.

Increased Logging Activity May Threaten UP Deer Herd

The deer population in the Upper Peninsula could face significant declines over the next few years, unless the Michigan Department of Natural Resources (DNR) Forest Management Division and the area's forest products manufacturers agree on a plan to manage large tracts of state and privately-held forest lands carefully.

That's the conclusion of a special report by the Michigan United Conservation Clubs (MUCC), which is seeking changes in the DNR forest management policies to protect sensitive wildlife habitat areas in Dickinson, Iron, and Menominee counties.

According to the report, wildlife managers are especially concerned about the threatened loss of winter deer range because of increased logging activity and the conversion of favorable wildlife habitat like hardwoods, cedar, and hemlock to pine plantations, which provide little or no food and cover for deer and other wildlife.

"Destruction or loss of winter range will have a severe impact on deer populations," warned Jim Hammill, DNR wildlife biologist from Crystal Falls. "Its importance cannot be overstated."

The primary concern, according to Hammill, is that over a million acres of Michigan forest lands are owned by Mead Corporation and Champion International, which are increasing cutting rates to keep up with renewed demand for forest products.

"The forest industry controls much of Menominee county's yarding areas, and we fear that current cutting practices will prove costly for deer," Hammill said.

The report notes that as demand for forest products has increased companies have moved quickly to convert large tracts of land to softwood production at the expense of deer habitat. In addition,

tion, the DNR Forest Management Division is coming under increased criticism from MUCC for pushing softwood production on state-owned lands.

"MUCC has long been concerned that the philosophy in the DNR has changed dramatically regarding management of forests," said MUCC Executive Director Thomas L. Washington. "The Natural Resources Commission's policy still states that there is a joint responsibility over forest management, but it's not adhered to."

The report, which appears in the July issue of Michigan Out-of-Doors magazine, noted that officials from Mead Corp. have been meeting with DNR biologists to discuss possible trades of company-owned deer yarding areas for state forest lands.

The report called on the DNR to adopt and adhere to new policies that give both foresters and biologists a coequal role in the management of state forest lands.

Careful planning, the report concludes, can assure the maximum use of Michigan's forests—for both wood and wildlife.

New Official Map Of Michigan Issued

The 1985-86 Official Transportation Map of Michigan, the first official map published by the state in two years, is making its debut this week, State Transportation Director James P. Pitz said today.

It is the most up-to-date map of Michigan available and may be obtained at no charge from the Michigan Department of Transportation (MDOT).

Pictured Rocks National Lakeshore along Lake Superior, one of two national lakeshores in Michigan, is featured in the cover photo, together with the slogan "YES MICHIGAN."

The family of Michigan's governor is pictured for the first time on the back cover, with a "Welcome to Michigan" message from Gov. and Mrs. James J. Blanchard and their son, Jay.

Inside is a stunning display of photos showing people enjoying "the good life" in Michigan in outdoor settings ranging from a ski area in the north country to Greenfield Village in the Detroit metropolitan area.

"Michigan, like the other 49 states, uses its map as a tool for its multi-billion-dollar tourist industry, and many of the two million maps we are printing this year will be distributed nationally and internationally by the Michigan Travel Bureau," Pitz said.

MDOT cartographers made 308 changes and additions to bring the new map up to date. It was printed in Michigan on Michigan-made paper for less than 12 cents a copy.

The map guides travelers along the 9,500-mile state highway system, on primary county roads and the major thoroughfares of the state's metropolitan area.

Users also can locate airports having lighted runways at least 3,000 feet in length, intercity bus terminals, both commercial and recreational harbors on the Great Lakes, ferry routes, freeway rest areas and roadside parks on the state highway system. The map also shows rail passenger lines and stations and, for the first time, rail freight lines as well.

Hospitals offering 24-hour emergency service and MDOT's 11 travel information centers, located mostly at border points, also are shown.

The map contains information panels on Michigan speed limits and the new safety belt law; Michigan historical markers; highway distances from city to city, location and phone numbers for state police posts and district offices of MDOT and fares charged on such facilities as the Mackinac Bridge.

The map also identifies all state parks and lists their types of accommodations and provides an index to Michigan cities and villages. Various state symbols such as the state bird (robin) are shown too.

The new map may be obtained, at no cost, at numerous locations, including all MDOT district offices and travel information centers. Other distribution points include state police posts, district offices of the Michigan Department of Natural Resources, local chambers of commerce, municipal government offices and regional tourist associations.

The Department of Transportation also will mail maps to individuals upon request. Requests should be made on a post card (not in a sealed envelope) providing the name, address and zip code of the requester. Post cards should be mailed to: MAPS, Michigan Department of Transportation, P.O. Box 30050, Lansing, MI 48909.

Do You Know An 18 Year Old Man?

If you do, he should know that he is required to register with the Selective Service System. Young men born on or after January 1, 1960 must register within 30 days of their 18th birthday. All it takes is five minutes to fill out the simple form at the local post office.

So if you have a student, son, relative or neighbor who is 18, or about to turn 18, make sure they know about Selective Service registration.

For posters, brochures and speakers, contact the Selective Service System, Washington, D.C. 20435.

LYNDON TOWNSHIP'S new Zoning Inspector is

John Francis

5019 South Lake, Chelsea, MI 48118
Phone: 475-1174

He is replacing Neil Fitzmaurice who has resigned.

DEXTER TOWNSHIP NOTICE

1985 SUMMER TAXES NOW DUE

TAX COLLECTION HOURS:

Tuesdays 9 to 4, Fridays, 9 to 12

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6880 Dexter-Pinckney Rd., Dexter, Mich. 48130
Ph. 426-3767

OFFICIAL NOTICE

Regular Meeting of the

DEXTER TOWNSHIP BOARD

Will Be Held

TUESDAY, AUG. 6, 1985 - 7:30 p.m.

at DEXTER TOWNSHIP HALL

6880 Dexter-Pinckney Rd., Dexter, Mich.

ITEM FOR DISCUSSION:
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AREA DEATHS

Jessica K. Kinghorn

805 W. Middle St.
Chelsea

Jessica E. Kinghorn, 92, died Thursday, July 25, at the Chelsea United Methodist Retirement Home, 805 W. Middle St.

She was born Sept. 2, 1892, in Bluffton, Ind., the daughter of Eli B. and Elzina (Shady) Good, and was married to Fred Loring Kinghorn on Dec. 24, 1913, in Iron Mountain. He preceded her in death in August of 1968.

She was graduated from Michigan Normal College (now Eastern Michigan University) and was a teacher in Ypsilanti for many years. Mrs. Kinghorn had been a resident of Chelsea since 1970.

Surviving are a granddaughter, T. Jeannette Cole, and a grandson, Robert K. Clifford; several great-grandchildren; two nieces, Nettie Roberts and Vivian Kaizer, and a nephew, Kenneth Good.

A daughter, Thyra Clifford, and two sisters and a brother preceded her in death.

Funeral services were held Monday, July 29, at the Chelsea United Methodist Retirement Home chapel with the Rev. W. M. Clemmer officiating. Graveside services followed at Hillside Cemetery, St. Clair.

Arrangements were made by the Staffan-Mitchell Funeral Home.

Inez Mayrand

Flat Rock

Inez Mayrand of Flat Rock, age 72, died Saturday, July 13, at Riverside Hospital, Trenton.

She was born in Detroit, Aug. 9, 1913, the daughter of Raymond and Edna Madison Cobane.

On April 15, 1939, she married Maxian Lawrence Mayrand in Detroit. He survives.

She and her husband moved to Flat Rock in 1973 where they have lived since that time. She was active in the Senior Citizens activities in that community.

In addition to her husband, she is survived by three sons, Lawrence Mayrand of Detroit, Niles Mayrand of Dexter-Pinckney Rd., and Ross Mayrand of Taylor; one daughter, Mrs. John (Nancy) Claffey of Baker Rd.; 10 grandchildren; four brothers, Ray Cobane of Lake Leelanau, Floyd Cobane of Lapeer, Orrin Cobane of Redford, and Robert Cobane of Lakeview; a sister, Mrs. Clarence (Glendora) Decker of Pontiac.

Funeral services were held at 10 a.m. Wednesday, July 17, at St. Rochs Catholic church, Flat Rock, with the Rev. Fr. Leonard Wallace officiating.

Burial followed in Michigan Memorial Park, Flat Rock.



A daughter, Christine Marie, July 18, at St. Joseph Mercy Hospital, Ann Arbor, to Daniel and Karen Rosentreter. Maternal grandparents are Charles Popovich, Jr., and Richard and Norma Smith. Paternal grandparents are Irla Rosentreter and the late John Rosentreter. Christine has one brother, Ian Anthony, 20 months.

A son, Richard Lewis, July 20 at U-M Women's Hospital, Ann Arbor, to Richard and Barbara Kaiser of Chelsea. Maternal grandmother is Lena Behnke of Chelsea. Paternal grandparents are Ron and Marilyn Krull of Dexter and Donald and Vicki Kaiser, also of Dexter.



LITTLE REMAINS OF A LARGE BARN consumed by flames Monday, July 22. Dexter Area Fire Department responded to the barn fire at 7045 W. Liberty Rd. to battle a fiercely blazing structure. Additional water to help fight the fire was brought by neighboring Chelsea firefighters. The

fire loss was estimated at \$30,000. In addition to the loss of the barn, 500 bales of hay and straw were lost, as well as a farm tractor, two haywagons and miscellaneous farm implements and small tools.



TRACTOR AND BACKHOE help spread piles of hay and straw in the burning remains of a large barn fire which Dexter Area Fire Department battled at 7045 W. Liberty Rd., Monday, July 22, with assistance from the Chelsea Fire Department

Manchester Youth

Serving Aboard Carrier

Navy Airman Apprentice Gerald L. Post, son of Pamela J. Post of 740 Park Rd., Manchester, recently reported for duty aboard the aircraft carrier USS John F. Kennedy, homeported in Norfolk, Va.

A 1984 graduate of Manchester High school, he joined the Navy in December 1984.

Humane Society Announces Walkathon Prize Winners

All prizes were donated by local businesses.

Long-time Ann Arbor resident, Gretchen Tarchinski, was the grand prize winner for the second year in a row in the Humane Society of Huron Valley's sixth annual Dog Walkathon. Tarchinski and her dog, "Grauen," walked six miles and collected \$1,375 in pledges which go toward funding the Society's Cruelty Investigation and Rescue programs. She received a gift certificate for dinner for two from Mountain Jacks. Honorable mention went to Charles Tyson of Ann Arbor who collected \$1,130.

Two walkers tied for the adult who walked the farthest. Christine Weikel and Kim Randall, both of Ypsilanti, walked 15 miles. Weikel was awarded a gift certificate from Peaceable Kingdom, and Randall received a gift certificate from Willoughby's Shoes.

Jenny Deanhofer of Ann Arbor was the walker under 12 who collected the most money, bringing in \$124. As her prize, she received a gift certificate from Peaceable Kingdom, and her dog, "Tammy," received one from Padare Lane Pet Supply.

New for 1985 were three awards in recognition of local business participation. Prizes were awarded in the following categories: University Hospital for the greatest number of walkers, St. Joseph Mercy Hospital for the most pledges, and Industrial Technics for the most participation. Honorable mentions went to Pete Lincoln Chevrolet, Hoover NSK, University Microfilms International, Environmental Protection Agency, Department of Social Services, JAC Products, Automatic Data Processing, Peerless Industries, Ann Arbor Transit Authority, and AAA.

A special award was presented to Wanda Rysberg of Plymouth who initiated the Walkathon in 1979, and consistently brings in the highest pledge total—this year a whopping \$2,100.

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Cemetery Being Misused by Public, Caretaker Says

Tom Quigley, Oak Grove Cemetery caretaker, didn't want his name in the paper but agreed to let it be printed if it might do some good.

Quigley's complaint is that local residents are allowing their pets—dogs and cats—to run loose in the cemetery with disastrous effects on wildlife and desecration of the grounds through deposits of fecal material.

"People don't understand that the cemetery is private property," Quigley said. "It is not a public park. The cemetery association has allowed people to come in and drive or walk through the grounds. It certainly was never intended that people should use the cemetery as a place to exercise their pets."

Dogs and cats running loose are killing large numbers of birds, squirrels, rabbits and chipmunks, Quigley said. "We used to have a lot of wildlife in the cemetery," he noted. "There isn't much left."

"We've always had problems with stray animals, especially cats. What we're getting now is people who come into the cemetery late in the day and turn their pets loose to run wild. They don't seem to care about the damage being done."

The last straw for Quigley was destruction of a "No Dogs Allowed" sign at the E. Middle St. entrance to the cemetery. Somebody pulled it out of the ground and broke it into pieces.

"We could probably tolerate dogs if they were kept on a leash and walked through," he said. "What we can't allow is dogs running loose and depositing their piles of manure on graves. It makes an unsightly mess, and it bothers people who have rela-

tives and friends buried in the cemetery."

The cemetery association has the option to close the gates and let no one in except for burials and other special occasions. Hour restrictions, such as closing the cemetery at 5 p.m., are also possible.

Regulations would not be necessary if people showed respect for the cemetery, and Quigley hopes that will happen. He encourages the public to drive and walk through Oak Grove, but leave their pets at home.

Vacation Bible School Slated By Faith Lutheran

Faith Lutheran church will hold its annual Vacation Bible School, beginning next week. Dates of the 1985 Vacation Bible School will be Aug. 5-9, and the hours will be from 9:00 to 11:45 a.m.

This year the theme is "Following God's Plan," and Pastor Mark Porinsky explains, "We will have Bible lessons, singing, art projects, and refreshments."

Children ages 4 through 13 (as well as mature 3-year-olds) are welcome, especially those who do not have a church of their own.

Faith Lutheran church is located at 9575 North Territorial Rd. (1/4 mile west of Dexter-Pinckney Rd.), and there is, of course, no registration fee.

Questions about the Vacation Bible School may be addressed to Pastor Mark Porinsky at 426-8442.

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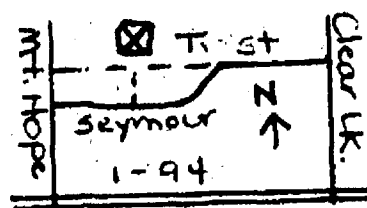
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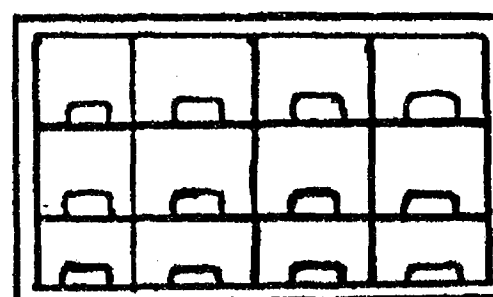
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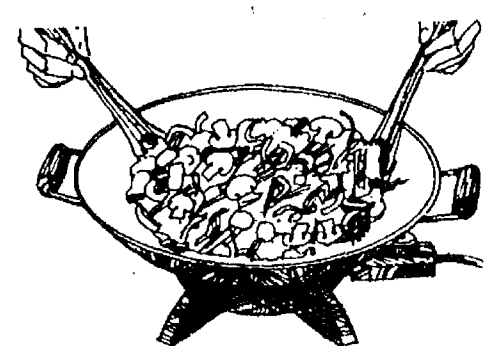
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MANY OTHER SPECIALS

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Ph. 475-1121



UNITED WAY PARTICIPATION AWARDS were given recently to Dr. Irving Feller and Beach Middle school for their involvement in the most recent United Way drive. Above, Campaign Chairman Scott Tanner, left, presents the awards to Cynthia Feller, on behalf of her husband, who has his medical practice in Ann Arbor, and Darcy Stielstra, principal at Beach Middle school. Dr. Feller's award was in the professional division, and Beach school's award was in the academic division. Both Feller and Beach school exceeded the goals set by the campaign committee.

Demolition Derby Slated Two Nights

MSU Extension Agent Starting in Washtenaw

Chelsea Community Fair Board has announced plans for a repeat of last year's two-night Demolition Derby.

On Tuesday, Aug. 27, the derby will begin at 7:30 p.m. Included will be three heats and a Feature plus a Powder Puff heat.

On Wednesday, Aug. 28, three heats and a Feature will again be run, beginning at 7:30 p.m.

Ivan Camacho, of East Lansing, will begin his duties as a Michigan State University Co-operative Extension Service agricultural agent in Washtenaw county Aug. 1.

Camacho completed his undergraduate work in biology in 1975 at the National School of Sciences, Mexico City, and received a master's degree in agronomy from Brigham Young University this year.

From 1980 through 1984 he was a BYU research associate, and since the beginning of this year he has worked as an Extension agricultural agent-at-large at MSU.

Camacho will be responsible for the leadership of educational programs relating to the Saline Valley Rural Clean Water Project in Washtenaw and Monroe counties.

His duties will include developing and carrying out educational programs relating to the project, helping landowners learn how to participate in the project and working with U.S. Department of Agriculture agencies to coordinate project information.

Camacho will be headquartered in the MSU Co-operative Extension Service offices in the County Services Center, 4133 Washtenaw Ave., Ann Arbor.

Fair Office Hours Told

Chelsea Community Fair service center office will be open on Wednesday, Aug. 14, Wednesday, Aug. 21, and Friday, Aug. 23, between 10 a.m. and 4 p.m.

On Thursday, Aug. 22, the office will maintain hours of 7 to 9 p.m. On Monday, Aug. 26, the office will be open from 8 a.m. to 8 p.m.

Phone number for the Fair Office is 475-1270 and is answered only during office hours.

Softball Tournament Slated in Manchester

The Manchester Wolverine Softball Class C and D Tournament will be held Saturday and Sunday, August 3-4 in Manchester. For further information call Darroll Trinkle, 428-9623.

Standard Classifieds Get Quick Results

New Books At McKune Library

"A Perfect Peace," by Amos Oz. Set on a kibbutz in the mid-1960's, it is the story of the founders of Israel and their children, of two generations caught in the cross currents of history and modern life. The human richness and intensity of kibbutz life alternates fugue-like, with political tribulations.

"Ten Days to Destiny," by G. C. Kiriakopoulos. Not since "Is Paris Burning?" has a book managed to capture the heroism of people in the face of the brutality of war. Through comprehensive research and first-hand interviews, the author recreated the crucial battle for Crete. The defense of Crete was so magnificent that Germany nearly lost its first land battle of World War II.

"The Nantucket Diet Murders," by Virginia Rich. Readers and critics have fallen in love with Virginia Rich's food-loving, crime-solving Mrs. Potter. Upon returning to the island of Nantucket Mrs. Potter takes up the trail of "accidental" deaths related to a spellbinding diet guru. Along with the trail of detection the reader is treated to a first rate portrayal of life in a historic New England town and delicious conversations about old fashioned, honest American food.

"The Anvil Chorus," by Shane Stevens. Cesar Dreyfus, a French inspector of police has been waiting to seek revenge for the slaughter of his parents at Auschwitz. When what at first appears to be a routine suicide in a gloomy pension off the Right Bank turns into the murder SS style (death by piano wire) of a former SS man, Dreyfus becomes a man obsessed.

"American Ingenuity," by James Wamsley. Throughout, an elegant text reveals the inventive spirit and innovative genius that have always been part of American character. And nowhere are these qualities more evident than at Henry Ford Museum and Greenfield Village. More than 60 full-color plates and 120 black and white photographs show priceless treasures. Featured are Henry Ford's original car, home and shop of the Wright brothers, Thomas Edison's laboratory and much more.

"The Woodsman," by Don Wright. This is a novel that will become an American classic. Those who saw the Woodsman, rawboned and dangerous knew he was a man to contend with—the buckskins, the Joel Ferree rifle, the ruthless stare told them that they knew he was General Braddock's free scout, but they didn't know he was a friend of George Washington. Not since the novels of Kenneth Roberts have readers encountered a story of America's frontier days so vivid, so real, so exciting.

Independence Lake Biathlon Set Aug. 24

Test your endurance at Washtenaw County Parks and Recreation Commission's third annual Independence Lake Biathlon, Saturday Aug. 24. A one mile swim is followed by a 5 km (3.1 mile) cross country run. The flagged course follows nature trails.

Trophies will be awarded for first, second and third places in both male and female divisions. The next 44 finishers receive medallions.

All participants will be given a T-shirt and two hot dog tickets. Refreshments will be available for participants and spectators.

Registration fee is \$8 and must be postmarked by Aug. 16.

Park entry fee is \$2 per car, payable as you come into the park.

Check in time is 8:30 a.m. to 9 a.m. Mandatory meeting at 9 a.m. Starting time 9:30 a.m.

Independence Lake Park is north of Dexter near Whitmore Lake.

At last year's biathlon 124 people participated, ranging in ages from eight to 59 years. The winning times were 45:42 for Neal Bond of Ann Arbor, and 47:07 for Sara Arterburn of Ann Arbor.

For more information call WCPARC at 973-2575, 8:30 a.m. to 5 p.m.

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SCHOLARSHIPS TOTALING \$2,500 were donated to the Chelsea Community Hospital's Summer Speech and Occupational Therapy program by the Chelsea Community Hospital Auxiliary. Above, center, is Gail Olson, scholarship

chairman of the auxiliary, who presented scholarship money to Kathleen Anderson, left, director of speech pathology, and Pat Kubany, director of occupational therapy.

Children's Speech Scholarships Provided By Hospital Auxiliary

For the fifth consecutive year, Chelsea Community Hospital Auxiliary has made a generous donation to the Hospital's Summer Speech and Occupational Therapy Program.

This year, scholarships totaling \$2,500 will be provided to children whose families are in financial need.

Without the strong interest and support of the Auxiliary, these children would be unable to receive the therapies that they need.

The Auxiliary, under the leadership of President Gloria Mitchell, works on special projects throughout the year to earn funds for this and other worthwhile programs.

The Summer Speech and Occupational Therapy Programs are seven-week intensive sessions that run from the end of June to

the beginning of August. The programs provide needed summer intervention to children who usually receive these special services during the school year. Both programs are conducted three days a week at North Elementary school in Chelsea. Classroom space is provided by the Chelsea Public School District.

Up to 25 children are enrolled in both programs. The Speech Program sees children with a wide variety of speech, language and hearing problems. The Occupational Therapy Program sees children with physical development delays in the areas of large and small motor skills and sensory-motor integration.

Trained professionals in Speech and Language Pathology and Occupational Therapy evaluate the children, meet with parents on an ongoing basis and

provide the treatment programs. The school setting provides many opportunities of classroom and playground activities. All types of play activities are incorporated into the programs to encourage the development of communications and motor skills. Over the years the programs, with the generous help of the Hospital Auxiliary, have helped many children to grow and achieve.

You aren't the only one who may change travel plans. According to National Wildlife magazine, an estimated eight million ducks, geese and swans that once flew south for the winter now stay in the Midwest during their winter migration. The reason: wetlands drainage along the lower Mississippi River has reduced wintering habitat.

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WASHTENAW COMMUNITY COLLEGE

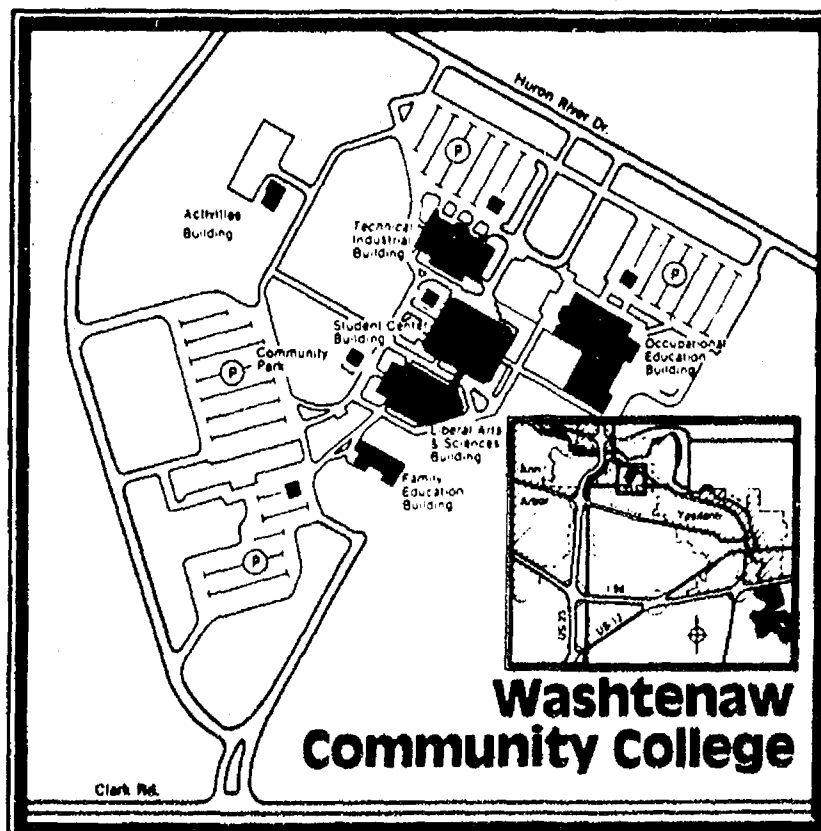
1985 FALL TIME SCHEDULE



WASHTENAW COMMUNITY COLLEGE

TELEPHONE ASSISTANCE

Switchboard (General Information)	(313) 973-3300
Admissions	973-3543
Adult Resource Center	973-3528
Automotive Center	434-1555
Bookstore (Ulrich's)	973-3594
Career Development Center	973-3558
Children's Center	973-3538
Continuing Education Services	973-3493
Counseling Center	973-3464
Emeritus Program	973-3526
Extension Programs	973-3408
Financial Aids Office	973-3524
General Information	973-3300
Information Center (College Events, Resources)	973-3622
Learning Resource Center (Library)	973-3429
Office of Cooperative Education	973-3656
Registration	973-3548
Registration Information Tape (Daily Hours and General Information)	973-3650
Technical Job Training Programs (Apprenticeship and Trade Related Programs)	973-3533
Telecourse Hotline	973-3671
Veterans Counseling	973-3479



The Washtenaw Community College Bulletin (USPS 897-820) is issued four times a year in April, August, October and November by Washtenaw Community College, Ann Arbor, Michigan 48106. Second Class postage paid at Ann Arbor, Michigan. POSTMASTER: Send Form 3579 to Washtenaw Community College, P.O. Box D-1, Ann Arbor, Michigan 48106.



Gunder A. Myran, Washtenaw Community College President

A NOTE FROM THE PRESIDENT

August 1985

This schedule bulletin provides us with an opportunity to share information about the College with you. We feel that Washtenaw Community College is *your* college, and we want to keep you informed. If you plan to attend classes here in the fall term, the bulletin is your guide to planning your program. If you are not planning to attend, we invite you to read the bulletin as a means of learning more about the offerings of the College.

Our faculty, staff and the citizens who support us have built a tradition of excellence which will be our foundation as we move into the future. Our hallmark has become a caring concern about each student who comes to us, regardless of educational background, experience, or age. We invite you to join us, whether for one class or a full program.

Gunder A. Myran

Gunder A. Myran
President
Washtenaw Community College

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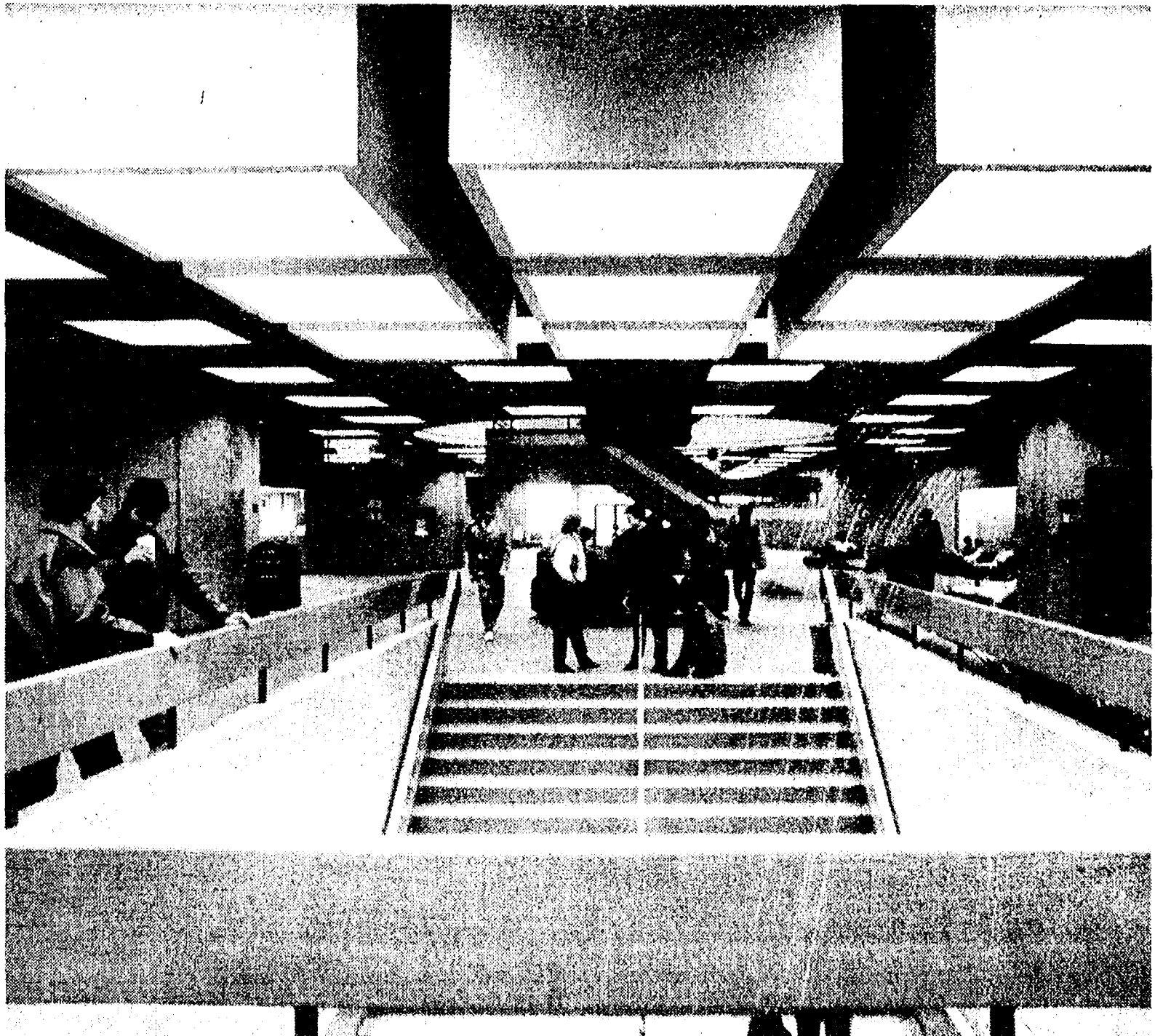
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WELCOME TO THE FALL SEMESTER, 1985 AT WASHTENAW COMMUNITY COLLEGE

Washtenaw Community College, set up in 1965 to serve the residents of Washtenaw County, is located near the Huron River between Ann Arbor and Ypsilanti. Nearly 8,000 students a semester, representing many different age groups, educational backgrounds and career goals attend the College, taking advantage of the wide range of course offerings. Washtenaw Community College has been accredited by the North Central Association and enjoys a reputation as an outstanding college committed to helping its students reach career and life goals through quality education.

HOW TO USE THIS TIME SCHEDULE

Courses at Washtenaw Community College are offered in two major areas: credit and credit-free. The first section of this time schedule is concerned with credit work—admissions, instruction, registration. The second part, beginning on page 77, is concerned with credit-free work offered by the Continuing Education Services. A third section details special services available to students and the community by the College.



REGISTRATION CALENDAR—FALL SEMESTER 1985

No on-campus registration August 5-9

AUGUST 1985

Continuing students are those students who attended Winter 1985 and/or Spring/Summer 1985 Semesters

5 8:30am-8:00pm PHONE Registration Continuing Students only	6 8:30am-8:00pm PHONE Registration Continuing Students only	7 8:30am-8:00pm PHONE Registration Continuing Students only	8 8:30am-8:00pm PHONE Registration Continuing Students only	9 8:30am-4:00pm PHONE Registration Continuing Students only
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Registration for all students begins August 19

19 7:00am-Permits Issued Registration 8:30am-8:00pm All Students Permits required today only	20 Registration 8:30am-4:00pm All Students	21 Registration 8:30am-4:00pm All Students	22 Registration 8:30am-4:00pm All Students	23 Registration 8:30am-4:00pm All Students
26 Registration 8:30am-4:00pm All Students	27 Registration 8:30am-4:00pm All Students	28 Registration 8:30am-4:00pm All Students Outreach Registration 7-9pm	29 Registration 8:30am-8:00pm All Students	30 Registration 8:30am-4:00pm All Students

SEPTEMBER 1985

2 Holiday Labor Day	3 No Registration	4 Classes begin Late Registration Drop/Add period 8:30am-8:00pm	5 Late Registration Drop/Add period 8:30am-4:00pm	6 Late Registration Drop/Add period 8:30am-4:00pm
9 Late Registration Drop/Add period 8:30am-4:00pm	10 Late Registration Drop/Add period 8:30am-8:00pm Last day for 100% refund	<p>BE SURE TO READ IMPORTANT INFORMATION ABOUT</p> <p>PERMITS on Page 9 PHONE REGISTRATION on Page 10 DROP AND ADD on Page 11 REFUNDS on Page 10 LATE REGISTRATION on Page 10 EXTENSION CENTER REGISTRATION on Page 88 BRIGHTON AREA CENTER REGISTRATION on Page 84</p>		

COLLEGE CALENDAR

Sept. 4, 1985	Classes begin (Fall '85)
Nov. 11, 1985	Veterans' Day Holiday
Nov. 28-	
Dec. 1, 1985	Thanksgiving Holiday
Dec. 11, 1985	Last day to drop without instructor's signature
Dec. 19, 1985	Classes end
Dec. 20, 1985	Grades due, 12:00 noon

ADMISSIONS (FOR CREDIT STUDY)

Washtenaw Community College is open to all individuals who can benefit from the College's instructional and service programs. The focus is on the individual's career and life goals rather than on his or her previous educational background. The College seeks to create an admissions assistance process where those interested in attending the College can learn about College programs and assess their own academic, career and life goals. This service is available without charge, and the individual is then free to decide whether College programs are available which match these goals.

Admissions Criteria:

Any person who has graduated from high school or passed the GED examination may be admitted. Persons 18 years of age or older who are not high school graduates may be admitted to specific classes, but are encouraged to visit with a counselor before enrolling. Persons under 18 years of age who have passed the GED examination may be admitted with the recommendation of their high school principal. Any person, regardless of experience or educational background, is encouraged to visit with a counselor to learn about services the College can provide. Applications for admissions can be made any time during the year and throughout the registration period. Allied Health Program applicants are encouraged to apply in their junior year of high school or one year in advance of anticipated acceptance in the program.

Admissions Priorities:

All potential students, regardless of residence, are invited to apply. In those few cases where enrollment in a particular program is limited, the following priorities will apply:

- Priority 1: Legal residents of the Washtenaw Community College district
- Priority 2: Legal residents of counties adjacent to Washtenaw County without a community college
- Priority 3: Legal residents of all counties of the State of Michigan other than those included in Priority 2
- Priority 4: Persons whose legal residence is outside the State of Michigan
- Priority 5: Persons whose official residence is a foreign country.

Application is considered complete when the application form is received by the College and the \$10.00 application fee has been paid. This fee is non-refundable and paid only once, no matter how many times one enrolls in classes at the College in the future. This enables a student to take any course or program at the College with the exception of some programs in the Allied Health Occupations which have special admissions requirements. Information on these requirements is available by calling the College Admissions Office (313)973-3596.

The procedure for applying for admission is simply to fill out the application blank in the back of this booklet or contact the Admissions Office by telephone (313)973-3543 for an application blank or to come in person to the Office on the second floor of the Student Center Building. Fill out the application and return with the \$10 fee.

Fees:

Tuition is \$29.00 per credit hour for in-district residents; \$46.00 per credit hour for out-of-county residents; \$60.00 per credit hour for out-of-state/country residents.

Throughout the year many non-credit workshops and programs which run from several hours to a semester in length are offered. Tuition for these courses is determined by the subject content and the length of the course. See page 78 for this listing.

Other fees are the \$10.00 application fee for new students only and, for those who register after the regular registration period, a \$5.00 late registration fee. Both are non-refundable. A \$10.00 processing fee is charged to students who have registered but who withdraw completely from the College prior to the first day of school.

Tuition is \$36.00 per credit hour for Livingston County residents attending the Brighton Area Center.

The College reserves the right to change tuition and fees without advanced notice.

Tuition Assessment

CREDITS	IN-DISTRICT	OUT-DISTRICT	OUT-STATE/COUNTRY
1	\$ 29.00	\$ 46.00	\$ 60.00
2	58.00	92.00	120.00
3	87.00	138.00	180.00
4	116.00	184.00	240.00
5	145.00	230.00	300.00
6	174.00	276.00	360.00
7	203.00	322.00	420.00
8	232.00	368.00	480.00
9	261.00	414.00	540.00
10	290.00	460.00	600.00
11	319.00	506.00	660.00
12	348.00	552.00	720.00
13	377.00	598.00	780.00
14	406.00	644.00	840.00
15	435.00	690.00	900.00
16	464.00	736.00	960.00
17	493.00	782.00	1,020.00
18	522.00	828.00	1,080.00
19	551.00	874.00	1,140.00
20	580.00	920.00	1,200.00

NOTE: MasterCard and VISA will be accepted during the registration period for current tuition assessment.

Readmission:

Former students who were not registered for classes at Washtenaw Community College for one (1) full semester (Spring and Summer session excluded) must reactivate their files at the Admissions Office by filling out a re-enrollment form. Fill out the application and return to the Admissions Office. Any student reactivating his or her file is encouraged to see a counselor or advisor prior to registering for classes.

Residency Policy:

Students enrolling at Washtenaw Community College shall be classified in-district, out-district, or out-of-state for purposes of administering tuition charges.

CLASSIFICATION OF RESIDENCY:

The following regulations are set forth as the major points which govern the determining of residency status:

In-District Students are

- Independent applicants who have resided in
- Applicants who live *with* and whose spouse has resided in

- Applicants who live *with* and are dependent on parents or a legal guardian who has resided in the WCC District for a minimum of
 - 60 days as a non-student immediately prior to enrollment if previous residency was within Michigan
 - 6 months as a non-student immediately prior to enrollment if previous residency was outside of Michigan.

Out-District Students are applicants who do not meet the requirements of an in-district student, but who are legal residents of the State of Michigan for at least six months.

Out-of-State Students are applicants who do not meet the requirements for an in-district or an out-district resident.

Out-of-Country Students are applicants who are on a visa or whose permanent address is out of the country. Out-of-country students are assessed out-of-state tuition.

ASPECTS OF RESIDENCY:

Students living out of the county who are employed full time by an in-district company for 30 days prior to enrollment may pay in-district tuition rates at the time of registration providing they have appropriate documentation at the beginning of each semester. **APPROPRIATE FORMS ARE AVAILABLE IN THE ADMISSIONS OFFICE.**

Further information about residency is available from the Admissions Office.

CHANGE IN OUT-DISTRICT or OUT-OF-STATE CLASSIFICATION:

Students who feel they are entitled to in-district or out-district residency classifications may petition the Admissions Officer, stating their reasons, with supporting documents, why their residency classifications should be changed. Any residency change after the eighth day of classes becomes effective the following semester.

High School Students:

High school juniors and seniors may take classes for college credit or for units to be counted toward the high school diploma.

High school students enrolled under this program must be assigned to and work consistently with a Washtenaw Community College counselor. Students will be allowed to enroll for a maximum of six (6) credit hours. Application for admission must be initiated through the high school, signed by the high school principal, and forwarded to the Washtenaw Community College Admissions Office.

It is the intent of Washtenaw Community College to permit College district high school seniors and juniors to take courses at the College as an enrichment to their high school program through the financial sponsorship of the school district. Such arrangements shall be initiated by the individual school district.

New Student Orientation Sessions:

WCC wants students to get the most out of their education. A good start is very important if a student is to succeed. For this reason, the registration procedure for new students includes an orientation. The orientation is planned to assist students in selecting and scheduling their courses for the Fall semester. The sessions are scheduled at a variety of times to accommodate prospective students. At the orientation session, students will be given information about College programs and services, courses to be offered during the semester, how to select courses, and how to register. Counselors will be available at the orientation to help students select program and courses and approve schedules. New students will be required to attend an orientation session before registering. *Be advised that meeting the following criteria relates to being exempted from New Student Orientation only. Exempted students must still follow the established procedures, dates and times for seeing a counselor, being admitted and registering for classes.*

Exemption Categories

1. *Non-degree seeking students taking only non-credit classes or credit activity classes (dance, racquetball, yoga, etc.).*

2. Emeritus students.
3. Students *officially admitted* to a health occupation program (nursing, dental assisting, respiratory therapy, or radiologic technology).
4. Apprenticeship and Trade Related Instruction students (apprenticeship training, pre-apprenticeship training).
5. Students taking classes at *WCC Extension Centers only*: Ann Arbor 'Y,' Briarwood Shopping Mall (Community Room), Brighton High School, Chelsea High School, Dexter High School, Huron High School, Manchester High School, Milan High School, Pioneer High School, Saline High School, Whitmore Lake High School, Willow Run High School, Ypsilanti Center.
6. Students with college experience who are *not* seeking a degree; bring *verification* of previous college experience. (Completed WCC application form with previous college(s) listed.)
7. Guest students from other colleges (use Guest-Student application obtained from *and* approved by college personnel at your institution).
8. Persons who can verify attendance at a previous semester's orientation at WCC (attended orientation, but did not register that term).
9. Handicapped students (persons who because of a physical handicap cannot access the room where orientation is being held).
10. WCC staff.

Exemption Procedures

1. Fill out Registration Card completely: make sure prerequisites and/or co-requisites are met; see course descriptions.
 - *Officially admitted Health Occupation program students*, see your program advisor (Occupational Education Building, Room 102) for signed approval of your Registration card.
 - *Apprenticeship/Pre-Apprenticeship Training and Trade Related Instruction students*, see staff in the Technical and Industrial Building, Room 115 for signed approval of your Registration card.
2. Fill out the application for admission on page 96 of this time schedule.
3. See a counselor at Orientation to verify exemption status, obtain approval of exemption, get Registration card (schedule) approved.
4. Proceed to the Walk-In Admissions/Registration Area located in Student Center Building, Second Floor:
 - Submit application for admission at the *Walk-In Admissions Area*
 - Then, proceed to the *Registration Area* to get registered for classes.

Orientation Schedule

Orientation sessions will be held at the following times:

Saturday, Aug. 17	10:00 a.m.-12 noon	Friday, Aug. 23	8:00- 9:30 a.m.
Monday, Aug. 19	9:00-11:00 a.m.		10:00-11:30 a.m.
	2:00- 4:00 p.m.		1:00- 2:30 p.m.
	5:00- 7:00 p.m.	Monday, Aug. 26	9:00-10:00 a.m.
Tuesday, Aug. 20	8:00-10:00 a.m.		10:00-11:00 a.m.
	10:00 a.m.-12 noon		11:00 a.m.-12 noon
	1:30- 3:30 p.m.		1:00- 2:00 p.m.
Wednesday, Aug. 21	8:00-10:00 a.m.		2:00- 3:00 p.m.
	10:00 a.m.-12 noon	Tuesday, Aug. 27	9:00-10:00 a.m.
	1:30- 3:30 p.m.		10:00-11:00 a.m.
Thursday, Aug. 22	8:00- 9:30 a.m.		11:00 a.m.-12 noon
	10:00-11:30 a.m.		1:00- 2:00 p.m.
	1:00- 2:30 p.m.		2:00- 3:00 p.m.

Wednesday, Aug. 28 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.

Thursday, Aug. 29 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.
3:00- 4:00 p.m.
4:00- 5:00 p.m.
5:30- 6:30 p.m.
6:30- 7:30 p.m.

Friday, Aug. 30 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.

Late Registration
Wednesday, Sept. 4 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.
3:00- 4:00 p.m.
4:00- 5:00 p.m.
5:30- 6:30 p.m.
6:30- 7:30 p.m.

Thursday, Sept. 5 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.

Friday, Sept. 6 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.

Monday, Sept. 9 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.

Tuesday, Sept. 10 9:00-10:00 a.m.
10:00-11:00 a.m.
11:00 a.m.-12 noon
1:00- 2:00 p.m.
2:00- 3:00 p.m.
3:00- 4:00 p.m.
4:00- 5:00 p.m.
5:30- 6:30 p.m.
6:30- 7:30 p.m.

Please be prompt. Once a session has begun, no other students will be admitted. Signs will be posted on campus indicating location of all sessions.

If you have additional questions, please contact the Counseling Center at 973-3464 (SC 227).



INSTRUCTIONS FOR CREDIT-CLASS REGISTRATION

PERMITS TO REGISTER

A Permit to Register will give the continuing student a specific day and time to register. The permit is good only at that time and if the student cannot register at the specified time a new one must be obtained through the Registration Office. A limited number of permits are available and no student will be allowed to register without one during the required dates. Permits will be required on Monday, August 19 **only**. ONE PERMIT per student will be issued at the East Entrance to the Student Center Building beginning at 7:00 a.m. on Monday, August 19.

REGISTRATION INSTRUCTIONS

1. Please obtain a Permit to Register from the Registration Office.
2. Please bring a ballpoint pen to complete forms.
3. Check the Schedule posted in the registration area for cancelled, closed, added classes and changes after the schedule was printed.
4. Have your Registration Form filled out with your counselor or advisor's signature. Students will be responsible for classes taken without a counselor or advisor's signature.
5. Present your Permit to Register and Registration Form at Station I in the registration area during dates required.
6. Students must pay tuition in full at registration unless requiring financial aid (Deferred Loans, BEOG/PELL, Company-to-pay, Emeritus, etc.). Those students will be directed to Financial Aid, then to the cashier financial aid window.

DEFERRED TUITION LOANS are available for certain students who meet the eligibility requirements established by the College. Loans are available to students only if they enroll for six credit hours or more. The down payment for In-District students will be \$86.00 plus a \$4.00 non-refundable processing fee. After the semester starts, students will be required to make a down payment of 60% of their semester tuition. For Out-District students a 60% down payment plus a \$4.00 non-refundable processing fee is required. Repayment of the loan is required by the fourth week of a semester. For further details concerning eligibility needs, students should contact the Financial Aid Office, located in Room 221, Student Center Building or call 973-3523.

7. After payment, you will receive a validated ID Card and a copy of your schedule at Station 5 which will complete your registration.

PLEASE NOTE:

REGISTRATION IS NOT COMPLETE UNTIL ALL CARDS
ARE TURNED IN AT THE STATION **AFTER** THE CASHIER.

8. Any veteran receiving benefits must be certified each semester and should report to Room 227A of the Student Center Building after registering. (Please refer to "Veteran Certification" for details.)
9. Allow at least two (2) hours depending on individual needs for assistance and number of people registering, advising, financial aid, and registration.

Registration Holds:

Students may be withheld from registering if they have failed to meet their financial responsibilities to the College or for disciplinary reasons. Any hold must be cleared with the office issuing the hold.

Telephone Registration: (Reserved for continuing students only.)

TO FACILITATE YOUR REGISTRATION, FIRST PLEASE READ THIS ENTIRE SECTION, THEN CALL THE APPROPRIATE NUMBER. If your tuition is to be billed to your employer, or a local industry, you must bring a billing authorization from your employer to complete your registration.

973-3100—all continuing students (students taking more than 6 hours will be asked to verify seeing a counselor or advisor)

973-3533—industrial apprentices and trainees

Telephone Registration Hours

Monday, August 5	8:30 a.m.-8:00 p.m.
Tuesday, August 6	8:30 a.m.-8:00 p.m.
Wednesday, August 7	8:30 a.m.-8:00 p.m.
Thursday, August 8	8:30 a.m.-8:00 p.m.
Friday, August 9	8:30 a.m.-4:00 p.m.

1. Have your social security number ready.
2. Have the correct course, department number, title, days and hours ready.
3. Make sure that you have completed any prerequisites required by the class for which you are registering.
4. The operator will tell you how much your tuition will be for classes you select.
5. Your payment is due, in full, **within five (5) calendar days** after you phone register or your classes will be cancelled. Payment may be made in person during registration hours or by mail. If you mail in your payment, it must be received in the registration office **within five (5) calendar days**. Checks or money orders must be made payable to Washtenaw Community College in the exact amount due. Place your full name and social security number on the face of the check. **ALLOW 24 HOURS FOR PROCESSING IF YOU PLAN TO PAY IN PERSON.**
6. A copy of your schedule and a validated identification card will be sent to you upon receipt of your payment.

Refunds:

All refunds are calculated based on total tuition assessed and **must be initiated by the student**, including refunds for cancelled classes and all residency changes. In the case of an official withdrawal during the 100% refund period, a \$10.00 processing fee will be charged.

REFUND DEADLINES

Refund	
100%	Sept. 10
75%	Sept. 17
50%	Oct. 1

NOTE: Students dropping and adding after the official drop/add period (100% refund) must pay the difference if they wish to drop and add classes.

Example: 4 credit drop 75% = \$ 87.00
4 credit add = 116.00
Student pays \$ 29.00

Exceptions to this are cancelled classes, or instructors shifting student to higher or lower levels of classes (i.e. Mathematics, English, Reading).

Late Registration:

Late registration will be held the first five (5) days of the semester. Hours are extended to 8:00 p.m. on September 4 and 10. A \$5 late fee is assessed.

Adds and Section Changes:

A student may add a class or complete a section change beginning the first day of the semester. No adds or section changes will be accepted before that time. All adds and section changes must be filled out and have the instructor's signature before registering. An add is not complete until all fees are paid and all materials for adds and section changes must be turned into the final station.

Drops:

A student may drop a class any time before the beginning of the semester and during the regular registration period. Drops may also be processed beginning the first week of the semester and are subject to the refund policy. A student is not officially dropped from the class until the drop card is accepted in the Registrar's office.

Withdrawals:

A student finding it necessary to withdraw from the College during the semester must initiate the withdrawal procedure in the Counseling Office. A student who leaves the College during the semester without obtaining an official withdrawal may be reported as having failed all courses. The withdrawal procedure will not take place automatically for the student who leaves the campus because of illness, of either one's self or family member, but must be initiated by writing the Registrar's Office.

Graduation:

Students planning to graduate in December 1985, should apply for graduation registration in Room 227 (Counseling Area) of the Student Center Building. Cap and gown measurements for students planning to attend the June 1986 graduation exercises will be taken in Room 227 (Counseling Area) of the Student Center Building. Deadline for measurements is March 15, 1986. A late fee will be charged for cap and gown measurements taken after March 15, 1986.



CREDIT CLASSES IN AREA CENTERS

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
ANN ARBOR 'Y' 350 S. Fifth Avenue								
150	RELIGIONS OF WORLD		3	083	T	700-1000PM	AAV	THOMAS E
145	WOMEN WRITERS		3	083	M	700-1000PM	AAV	
201	U S 1500 TO 1865		3	083	P	700-1000PM	AAV	
121	INTER CONV SPANISH	SPN 111 OR EQUI	2	083	T	630-830PM	AAV	BIEDERMAN R
115	ASSERT TRAIN/WOMEN		3	083	W	700-1000PM	AAV	BAKER

BRIARWOOD SHOPPING MALL (Community Room)

I-94 at State Street

111	PRIN OF ACCOUNTING	MTH 163 167	3	060	T	600-900PM	BRIAR	
211	INTRO TO YOGA		3	060	M	1000-100PM	BRIAR	WHITEFCRC P
111	BUSINESS LAW		3	060	H	600-900PM	BRIAR	MCNALLY R
140	INTRO TO BUSINESS		3	060	S	100-400PM	BRIAR	
120	CONVER FRENCH		2	060	S	1000-1200	BRIAR	
150	INTERNAT CINEMA		3	060	F	1000-100PM	BRIAR	SUSNICK S
220	WOMEN IN MANAGEMENT		3	060	M	600-900PM	BRIAR	ARNOLD G
180	MUSIC APPRECIATION		3	060	T	1000-100PM	BRIAR	
090	GENERAL PHOTO		2	060	R	1000-100PM	BRIAR	JOHNSON R
120	BEG CONV SPANISH		2	060	W	1000-1200	BRIAR	

BRIGHTON AREA CENTER 7878 Brighton Road

111	PRIN OF ACCOUNTING	MTH 163 167	3	089	M	600-900PM	BRIGHT	
200	PERSONAL TAX ACCTG	ACC 111	3	089	W	600-900PM	BRIGHT	
100	BLUEPRINT READING		2	089	T	600-800PM	BRIGHT	
140	INTRO TO BUSINESS		3	089	R	600-900PM	BRIGHT	
111	COMPUTER CONCEPTS		3	089	M	700-1000PM	BRIGHT	
111	COMPUTER CONCEPTS		3	090	W	700-1000PM	BRIGHT	
100	INTRO CRIM JUSTICE		3	089	R	700-1000PM	BRIGHT	
122	BALLROOM DANCE		1	089	W	630-800PM	BRIGHT	
222	BALL ROOM DANCE II	DN 122 OR CONSE	1	089	W	800-930PM	BRIGHT	
170	INTRODUCTION TO LIT		3	089	T	700-1000PM	BRIGHT	
270	CREATIVE WRITING		3	089	R	700-1000PM	BRIGHT	
100	PERS & CONS FINANCE		3	089	M	700-1000PM	BRIGHT	
101	WESTERN CIV TO 1600		3	089	M	600-900PM	BRIGHT	
121	ROBOTICS I /INTRO		3	089	R	600-900PM	BRIGHT	
150	LABOR MGT RELATIONS		3	089	T	700-1000PM	BRIGHT	
208	PRIN OF MANAGEMENT		3	089	M	700-1000PM	BRIGHT	
039	BASIC MATHEMATICS		3	089	T	630-930PM	BRIGHT	STEELE A
039	BASIC MATHEMATICS		3	090	W	630-930PM	BRIGHT	STEELE A
090	OCCUP MATH	MTH 039	3	089	T	630-930PM	BRIGHT	STEELE A
090	OCCUP MATH	MTH 039	3	090	W	630-930PM	BRIGHT	STEELE A
097A	INTRO ALGEBRA	MTH 039	3	089	T	630-930PM	BRIGHT	STEELE A
097A	INTRO ALGEBRA	MTH 039	3	090	W	630-930PM	BRIGHT	STEELE A
097B	INTRO ALGEBRA	MTH 097A	3	089	T	630-930PM	BRIGHT	STEELE A
097B	INTRO ALGEBRA	MTH 097A	3	090	W	630-930PM	BRIGHT	STEELE A
163	BUSINESS MATH	MTH 039	3	089	T	630-930PM	BRIGHT	STEELE A
163	BUSINESS MATH	MTH 039	3	090	W	630-930PM	BRIGHT	STEELE A
169A	INTERMEDIATE ALG	MTH 097	3	089	T	630-930PM	BRIGHT	STEELE A
169A	INTERMEDIATE ALG	MTH 097	3	090	W	630-930PM	BRIGHT	STEELE A
169B	INTERMEDIATE ALG	MTH 169A	3	089	T	630-930PM	BRIGHT	STEELE A
169B	INTERMEDIATE ALG	MTH 169A	3	090	W	630-930PM	BRIGHT	STEELE A
177	TRIANGLE TRIG	MTH 097	3	089	T	630-930PM	BRIGHT	STEELE A
177	TRIANGLE TRIG	MTH 097	3	090	W	630-930PM	BRIGHT	STEELE A
090	GENERAL PHOTO		2	089	R	700-1000PM	BRIGHT	
100	INTRO PSYCHOLOGY		3	089	T	600-900PM	BRIGHT	KELLEN M
101	TYPEWRITING		3	089	W	600-1000PM	BRIGHT	
107	CLERICAL METH/PROC	SO 102 OR EQUI	4	089	R	600-1000PM	BRIGHT	

Tuition is \$36.00 per credit hour for Livingston County residents attending the Brighton Area Center. See page 84 for details.

CREDIT CLASSES IN AREA CENTERS

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
CHELSEA HIGH SCHOOL East Washington Street								
200	PERSONAL TAX ACCTG	ACC 111	3	055	M	700-1000PM	CHELS	
100	BLUEPRINT READING		2	055	W	700- 900PM	CHELS	
207	BUS COMMUNICATION		3	055	T	700-1000PM	CHELS	
111	COMPUTER CONCEPTS		3	055	M	700-1000PM	CHELS	
211	PRINCIPLES OF ECON		3	055	W	700-1000PM	CHELS	
101	WESTERN CIV TO 1600		3	055	R	700-1000PM	CHELS	
039	BASIC MATHEMATICS		3	054	W	630- 930PM	CHELS	MCGILL J
039	BASIC MATHEMATICS		3	055	P	630- 930PM	CHELS	SMITH K
090	OCCUP MATH	MTH 039	3	054	W	630- 930PM	CHELS	MCGILL J
090	OCCUP MATH	MTH 039	3	055	P	630- 930PM	CHELS	SMITH K
097A	INTRO ALGEBRA	MTH 039	3	054	W	630- 930PM	CHELS	MCGILL J
097A	INTRO ALGEBRA	MTH 039	3	055	P	630- 930PM	CHELS	SMITH K
097B	INTRO ALGEBRA	MTH 097A	3	054	W	630- 930PM	CHELS	MCGILL J
097B	INTRO ALGEBRA	MTH 097A	3	055	R	630- 930PM	CHELS	SMITH K
163	BUSINESS MATH	MTH 039	3	054	W	630- 930PM	CHELS	MCGILL J
163	BUSINESS MATH	MTH 039	3	055	P	630- 930PM	CHELS	SMITH K
169A	INTERMEDIATE ALG	MTH 097	3	054	W	630- 930PM	CHELS	MCGILL J
169A	INTERMEDIATE ALG	MTH 097	3	055	R	630- 930PM	CHELS	SMITH K
169B	INTERMEDIATE ALG	MTH 169A	3	054	W	630- 930PM	CHELS	MCGILL J
169B	INTERMEDIATE ALG	MTH 169A	3	055	R	630- 930PM	CHELS	SMITH K
177	TRIANGLE TRIG	MTH 097	3	054	W	630- 930PM	CHELS	MCGILL J
177	TRIANGLE TRIG	MTH 097	3	055	P	630- 930PM	CHELS	SMITH K
180	MUSIC APPRECIATION		3	055	W	700-1000PM	CHELS	
090	GENERAL PHOTO		2	055	T	700-1000PM	CHELS	
114	LEARNING TO LEARN		3	055	T	600- 900PM	CHELS	ZAREMBA E
101	TYPEWRITING		3	055	T	600-1000PM	CHELS	
107	CLERICAL METH/PROC	SD 102 OR EQUI	4	055	R	600-1000PM	CHELS	
100	PRIN OF SOCIOLOGY		3	055	M	700-1000PM	CHELS	
120	BEG CONV SPANISH		2	055	M	700- 900PM	CHELS	

DEXTER HIGH SCHOOL 2615 Baker Road

111	PRIN OF ACCOUNTING	MTH 163 167	3	062	W	700-1000PM	DEXTR	
043	BASIC TUNE UP MEETS	FIRST 7 WEEKS	1	062	M	600- 900PM	DEXTR	
059	CONSUMER CAR CARE MEETS	SECOND 7 WEEKS	1	062	M	600- 900PM	DEXTR	
100	INVESTMENTS		1	062	R	700- 800PM	DEXTR	
111	COMPUTER CONCEPTS		3	062	R	700-1000PM	DEXTR	
122	BALLROOM DANCE		1	062	M	630- 800PM	DEXTR	
039	BASIC MATHEMATICS		3	062	T	630- 930PM	DEXTR	SMITH G
090	OCCUP MATH	MTH 039	3	062	T	630- 930PM	DEXTR	SMITH G
097A	INTRO ALGEBRA	MTH 039	3	062	T	630- 930PM	DEXTR	SMITH G
097B	INTRO ALGEBRA	MTH 097A	3	062	T	630- 930PM	DEXTR	SMITH G
163	BUSINESS MATH	MTH 039	3	062	T	630- 930PM	DEXTR	SMITH G
169A	INTERMEDIATE ALG	MTH 097	3	062	T	630- 930PM	DEXTR	SMITH G
169B	INTERMEDIATE ALG	MTH 169A	3	062	T	630- 930PM	DEXTR	SMITH G
177	TRIANGLE TRIG	MTH 097	3	062	T	630- 930PM	DEXTR	SMITH G

SALINE HIGH SCHOOL 7190 Maple Road

101	DRAWING AND PAINTING		3	094	T	700-1000PM	SALNE	JACOBSEN T
140	INTRO TO BUSINESS		3	094	W	700-1000PM	SALNE	
100	INTRO CRIM JUSTICE		3	094	M	700-1000PM	SALNE	
270	CREATIVE WRITING		3	094	R	700-1000PM	SALNE	
120	CONVER FRENCH		2	094	T	700- 900PM	SALNE	
039	BASIC MATHEMATICS		3	093	M	630- 930PM	SALNE	SMITH K
039	BASIC MATHEMATICS		3	094	W	630- 930PM	SALNE	SMITH G
090	OCCUP MATH	MTH 039	3	093	M	630- 930PM	SALNE	SMITH K
090	OCCUP MATH	MTH 039	3	094	W	630- 930PM	SALNE	SMITH G
097A	INTRO ALGEBRA	MTH 039	3	093	M	630- 930PM	SALNE	SMITH K
097A	INTRO ALGEBRA	MTH 039	3	094	W	630- 930PM	SALNE	SMITH G
097B	INTRO ALGEBRA	MTH 097A	3	093	M	630- 930PM	SALNE	SMITH K
097B	INTRO ALGEBRA	MTH 097A	3	094	W	630- 930PM	SALNE	SMITH G
163	BUSINESS MATH	MTH 039	3	093	M	630- 930PM	SALNE	SMITH K
163	BUSINESS MATH	MTH 039	3	094	W	630- 930PM	SALNE	SMITH G
169A	INTERMEDIATE ALG	MTH 097	3	093	M	630- 930PM	SALNE	SMITH K
169A	INTERMEDIATE ALG	MTH 097	3	094	W	630- 930PM	SALNE	SMITH G
169B	INTERMEDIATE ALG	MTH 169A	3	093	M	630- 930PM	SALNE	SMITH K
169B	INTERMEDIATE ALG	MTH 169A	3	094	W	630- 930PM	SALNE	SMITH G
177	TRIANGLE TRIG	MTH 097	3	093	M	630- 930PM	SALNE	SMITH K
177	TRIANGLE TRIG	MTH 097	3	094	W	630- 930PM	SALNE	SMITH G
101	FUND OF SPEAKING		3	094	R	700-1000PM	SALNE	BITBY N
100	CAREER PLAN SEMINAR		3	094	W	630- 930PM	SALNE	

CREDIT CLASSES IN AREA CENTERS

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
YPSILANTI COMMUNITY CENTER BUILDING 210 West Cross								
(OLD YPSILANTI HIGH SCHOOL)								
111	PRIN OF ACCOUNTING	MTH 163 167	3	081	M	700-1000PM	YPSI	
211	PRINCIPLES OF ECON		3	081	T	700-1000PM	YPSI	
039	BASIC MATHEMATICS		3	081	P	630- 930PM	YPSI	THOMSON E
090	OCCUP MATH	MTH 039	3	081	R	630- 930PM	YPSI	THOMSON E
097A	INTRO ALGEBRA	MTH 039	3	081	F	630- 930PM	YPSI	THOMSON E
097B	INTRO ALGEBRA	MTH 097A	3	081	R	630- 930PM	YPSI	THOMSON E
163	BUSINESS MATH	MTH 039	3	081	P	630- 930PM	YPSI	THOMSON E
169A	INTERMEDIATE ALG	MTH 097	3	081	P	630- 930PM	YPSI	THOMSON E
169B	INTERMEDIATE ALG	MTH 169A	3	081	R	630- 930PM	YPSI	THOMSON E
177	TRIANGLE TRIG	MTH 097	3	081	P	630- 930PM	YPSI	THOMSON E
090	GENERAL PHOTO		2	081	W	700-1000PM	YPSI	KELLHAN T
108	GOV AND SOCIETY		3	081	W	700-1000PM	YPSI	

Key to Building and Center Abbreviations in this Schedule

Buildings:

AC	Activities Building
AS	Automotive Service Center
FE	Family Education Building
LA	Liberal Arts and Science Building
OE	Occupational Education Building
SC	Student Center Building
TI	Technical and Industrial Building

Centers:

AAY	Ann Arbor "Y"
BRIAR	Briarwood Shopping Mall
BRHT	Brighton High School
CHEL	Chelsea High School
DEXTR	Dexter High School
LINC	Lincoln Consolidated High School
SALNE	Saline High School
YPSI	Ypsilanti Community Center Building

Days of the week are abbreviated as follows:

M	Monday
T	Tuesday
W	Wednesday
R	Thursday
F	Friday
S	Saturday

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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ACCOUNTING (ACC) Dept. 41

091	FUND OF ACCOUNTING	MTH 090	3	001	M W	800- 930	106 SC	PAULSON R
			3	002	T R	1100-1230PM	244 LA	PAULSON R
			3	003	T R	200- 330PM	244 LA	
			3	004	M W	700- 830PM	244 LA	
111	PRIN OF ACCOUNTING	MTH 163 167	3	001	M W F	900-1000	244 LA	KCKKALES P
			3	002	M W F	1000-1100	244 LA	KCKKALES P
			3	003	M W F	1100-1200	236 LA	BELLERS C
			3	004	M W F	1200- 100PM	236 LA	BELLERS C
			3	005	M W F	200- 300PM	236 LA	BELLERS C
			3	006	T R	930-1100	244 LA	KCKKALES P
			3	007	T R	1100-1230PM	236 LA	MEYERS N
			3	008	T R	530- 700PM	244 LA	KCKKALES P
			3	009	T R	830-1000PM	244 LA	
			3	010	M W	530- 700PM	236 LA	
			3	011	M W	700- 830PM	236 LA	
			3	012	S	900-1200	244 LA	
			3	060	T	600- 900PM	BRIAR	
			3	062	W	700-1000PM	DEXTR	
			3	081	M	700-1000PM	YPSI	
			3	089	M	600- 900PM	BRGHT	
122	PRIN OF ACCOUNTING	ACC 111	3	001	M W F	900-1000	236 LA	MEYERS N
			3	002	M W F	1100-1200	244 LA	KCKKALES P
			3	003	T R	930-1100	236 LA	MEYERS N
131	COMPUTER ACCOUNTING	ACC 092, 111	3	001	M W	1200- 130PM	211 TI	MEYERS N
			3	002	T R	700- 830PM	244 LA	KCKKALES P
200	PERSONAL TAX ACCTG	ACC 111	3	001	M W	530- 700PM	102 SC	VASS S
			3	055	M	700-1000PM	CHELS	
			3	089	W	600- 900PM	BRGHT	
213	INTERMEDIATE ACCTG	ACC 122	3	001	M W F	1000-1100	236 LA	MEYERS N
			3	002	T R	700- 830PM	236 LA	

ANTHROPOLOGY (ANT) Dept. 01

150	RELIGIONS OF WORLD		3	001	M W F	900-1000	113 SC	THOMAS E
			3	002	T R	1100-1230PM	305 LA	WHITEFCRC P
			3	093	T	700-1000PM	AAY	THOMAS E
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	WHITEFCRC P
201	INTRO CULT ANTHRO		3	001	T R	930-1100	107 SC	SUSNICK S
			3	002	T	700-1000PM	107 SC	SUSNICK S
211	INTRO TO YOGA		3	001	T R	930-1100	123 AC	WHITEFCRC P
			3	002	W	530- 830PM	123 AC	WHITEFCRC P
			3	060	M	1000- 100PM	BRIAR	WHITEFCRC P

ARCHITECTONICS (ARC) Dept. 61

109	SITE LAYOUT		3	001	R	900-1200	134 OE	MYERS G
111	ARCHITECT DRAWING		6	001	M W	300-1230PM	134 OE	BYRD D
			6	002	M W	530-1000PM	134 OE	POGLIANO M
117	CONST MATERIALS		3	001	M W	1230- 230PM	134 OE	BYRD D
			3	002	T R	600- 730PM	134 OE	BYRD D
122	ARCHITECTURE DRAW	111	6	001	M W	800-1230PM	134 OE	BYRD D
			6	002	M W	530-1000PM	134 OE	POGLIANO M

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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ARCHITECTONICS (ARC) Dept. 61 (Cont.)

150	PRES DRWGS & MODELS		4	001	T R	600- 900PM	134 DE	POGLIANO M
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	BYRD D
			1-8	002	* * * TO	BE ARRANGED	* * *	PCGLIANO M
199	ON THE JOB TRAINING	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	BYRD D
			1-6	002	* * * TO	BE ARRANGED	* * *	PCGLIANO M
207	EST CONST COSTS	117&120	2	001	M W	1230- 130PM	134 DE	BYRD D
			2	002	T	1000-1200	134 DE	BYRD D
209	SURVEYING	MTH 151	3	001	R	900-1200	134 DE	POGLIANO M
210	STRUCTURE IN ARCH	SEE CATALOG	2	001	R	1000-1200	132 DE	PCGLIANO M
213	ARCHITECT DRAWING	122	6	001	MTW	800-1200	134 DE	BYRD D
			6	002	MTW	530-1000PM	134 DE	PCGLIANO M
224	ARCHITECT DRAWING	213	6	001	MTW	800-1200	134 DE	BYRD D
			6	002	MTW	530-1000PM	134 DE	PCGLIANO M

ART (ART) Dept. 17

101	DRAWING AND PAINTNG		3	001	F	900-1200	103 TI	LOCKARD J
			3	002	F	100- 400PM	103 TI	LOCKARD J
			3	094	T	700-1000PM	SALNE	JACOBSEN T
111	BASIC DRAWING		4	001	M W	600- 900PM	103 TI	HOROWITZ F
			4	002	T R	900-1200	103 TI	HOROWITZ F
112	BASIC DESIGN		4	001	M W	900-1200	103 TI	ZENIAN P
			4	002	T R	600- 900PM	103 TI	ZENIAN P
120	PORT PNTG LIFE DRAW		4	001	T R	1230- 330PM	103 TI	LOCKARD J
130	ART APPRECIATION		3	001	M W	100- 230PM	334 LA	HOROWITZ F
			3	002	W	600- 900PM	210 SC	LEVINE B
140	LIFE DRAWING		4	001	M W	100- 40CPM	103 TI	ZENIAN P
143	ART&CUL-AFROAMERICAN		3	001	M	600- 900PM	242 LA	LOCKARD J

ASTRONOMY (AST) Dept. 32

111	GENERAL ASTRONOMY		3	001	T	700- 90CPM	207 LA	
					R	700- 900PM	207 LA	

AUTO BODY REPAIR (ABR) Dept. 59

111	BODY REPAIR FUND		4	001	M W	900- 100PM	ANNEXAS	CAMMET E
			4	002	M W	600-1000PM	ANNEXAS	WALL B
112	AUTO REFINISH FUND		4	001	T R	900- 100PM	ANNEXAS	JORDAN L
			4	002	T R	600-1000PM	ANNEXAS	REEVES
113	LIGHT BODY SERVICE		1	001	F	900- 100PM	ANNEXAS	JORDAN L
114	APPL AUTO BODY WELD		1	001	F	900- 100PM	ANNEXAS	CAMMET E
123	BODY REPAIR APP	111	4	001	T R	800-1200	ANNEXAS	CAMMET E
			4	002	T R	600-1000PM	ANNEXAS	PETTIT K
124	AUTO REFINISHING	112	4	001	M W	800-1200	ANNEXAS	JORDAN L
			4	002	M W	600-1000PM	ANNEXAS	PCSEGAY J
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	JORDAN L

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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AUTO BODY REPAIR (ABR) Dept. 59 (Cont.)

199	ON THE JOB TRAINING	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	CAMMET E
219	MAJOR REPAIR PROC		4	001	T R	800-1200	ANNEXAS	CAMMET E
			4	002	T R	600-1000PM	ANNEXAS	PETTIT K
220	ENAMEL REFIN PRACT	124	4	001	M W	800-1200	ANNEXAS	JORDAN L
			4	002	M W	600-1000PM	ANNEXAS	POSEGAY J
230	SPECIALIZED STUDY	CONSENT	2-8	001	T R	800-1200	ANNEXAS	CAMMET E
			2-8	002	T R	600-1000PM	ANNEXAS	PETTIT K

AUTOMOTIVE SERVICE (AS) Dept. 60

043	BASIC TUNE UP		1	001	S	100- 500PM	T1L2 AS	MCCOON D
			1	002	S	800-1200		MCCOON D
	Meets first 7 weeks 9/3 to 10/25		1	003	F	100- 500PM	T1L1 AS	
			1	004	F	600-1000PM	T1L1 AS	
			1	062	M	600- 900PM	DEXTR	
059	CONSUMER CAR CARE		1	001	S	800-1200	T1L2 AS	MCCOON D
			1	002	S	100- 500PM		MCCOON D
	Meets second seven weeks, 10/28 to 12/18		1	003	F	100- 500PM	T1L1 AS	
			1	004	F	600-1000PM	T3L2 AS	
			1	062	M	600- 900PM	DEXTR	
110	LIGHT SERVICE REPAIR		2	001	M	800-1200	T3L2 AS	MANN J
			2	002	T	100- 500PM	T1L1 AS	FISHER S
			2	003	M	600-1000PM	T1L1 AS	BARRON K
111	ENGINE REPAIR	110	4	001	R	800-1200	T1L1 AS	WEID R
			4	002	T	600-1000PM	T1L1 AS	WEID R
113	MANUAL DRIVE TRAINS	COREQ:AS110	2	001	T	800-1200	T1L1 AS	FISHER S
			2	002	F	600-1000PM	T1L1 AS	FISHER S
116	AUTO ELECTRONICS	PRE OR COREQ AS	2	001	F	800-1200	T3L2 AS	MANN J
			2	002	W	600-1000PM	T3L2 AS	MANN J
116B	ELECTRICAL SYSTEMS	116A	2	001	T	100- 500PM	T3L2 AS	MANN J
118	FUEL SYSTEMS		2	001	W	800-1200	T3L2 AS	WEID R
124	WHEEL BAL & ALIGN	110	2	001	M	100- 500PM	T1L1 AS	BARRON K
125	BRAKE SYSTEMS	110	2	001	W	100- 500PM	T1L2 AS	WEID R
128	FUEL SYSTEMS	110	3	001	F	100- 500PM	T3L2 AS	
					R	100- 300PM	T1 AS	
160	SMALL ENGINE REPAIR		2	001	S	700-1100	T2L1 AS	SCHUSTER W
189	STUDY PROBLEMS	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	
199	ON THE JOB TRAINING	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	
212	AUTOMATIC TRAN MECH	123	2	001	F	800-1200	T1L1 AS	BARRON K
			2	002	T	600-1000PM	T1L1 AS	BARRON K
214	STEER/SUSPEN/SYSTEM	124	3	001	W	800-1200	T1L1 AS	FISHER S
					M	300-1000	T1L1 AS	
			3	002	W	600-1000PM	T1L1 AS	
					F	600- 800PM	T1L1 AS	
218	TUNEUP & EMISSIONS	116&123	4	001	T R	800-1200	T3L2 AS	BROWN E
			4	002	M R	600-1000PM	T3L2 AS	BROWN E
220	APPL AUTO WELDING	WF 101	2	001	M W	100- 300PM	T3L2 AS	MANN J
			2	002	F	600-1000PM	T1L2 AS	

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
BIOLOGY (BIO)			Dept. 27					
101	CONCEPTS OF BIOLOGY		4	001	M W F	1000-1100	305 LA	
					T	900-1200	303 LA	
			4	002	M W F	1100-1200	305 LA	NIEHAUS P
					W	800-1100	307 LA	
			4	003	M W F	100- 200PM	L2 LA	STRAYER J
					T	900-1200	307 LA	
			4	004	M W F	100- 200PM	L2 LA	STRAYER J
					T	100- 400PM	307 LA	
			4	005	M W F	100- 200PM	L2 LA	STRAYER J
					M	230- 530PM	307 LA	
			4	006	M W F	100- 200PM	L2 LA	STRAYER J
					R	1230- 330PM	307 LA	
			4	007	M W F	100- 200PM	L2 LA	STRAYER J
					R	900-1200	307 LA	
			4	008	T R	530- 700PM	L2 LA	
					T	700-1000PM	307 LA	
102	HUMAN BIOLOGY		4	001	T R	1100-1230PM	L2 LA	DAVENPORT J
					T	800-1100	301 LA	
			4	002	T R	1100-1230PM	L2 LA	DAVENPORT J
					T	100- 400PM	301 LA	
111	ANATOMY/PHYSIOLOGY		5	001	T R	1000-1200	L3 LA	GROSSMAN E
					M	900-1200	301 LA	
			5	002	T R	1000-1200	L3 LA	GROSSMAN E
					W	100- 400PM	301 LA	
			5	003	T R	1000-1200	L3 LA	GROSSMAN E
					W	100- 400PM	303 LA	
			5	004	W F	800-1000	305 LA	
					F	100- 400PM	301 LA	
			5	005	M W	1200- 200PM	305 LA	DAVENPORT J
					R	1230- 330PM	301 LA	
			5	006	T P	800-1000	303 LA	
					W	800-1100	301 LA	
			5	007	T	600- 930PM	305 LA	
					F	600- 930PM	301 LA	
127	BOTANY	BIO 101	4	001	M W R	900-1100	303 LA	DAVENPORT J
137	ORNAN INDOOR PLANT		2	001	M	200- 400PM	301 LA	
			2	002	M	600- 800PM	301 LA	
237	MICROBIOLOGY	BIO 101	4	001	M W F	100- 200PM	L3 LA	NIEHAUS P
					F	800-1100	307 LA	
			4	002	M W F	100- 200PM	L3 LA	NIEHAUS P
					W	200- 500PM	307 LA	
			4	003	M W	530- 700PM	305 LA	NIEHAUS P
					M	700-1000PM	307 LA	

BLACK STUDIES (BLS) Dept. 10

107	BLACK PSYCHOLOGY		3	001	M W F	1000-1100	342 LA	ROBERTS A
110	AFRO-AMERICAN DANCE		3	002	T R	1100-1230PM	101 FE	ROBERTS A
120	PORT PRNTG LIFE DRAW		1	001	M W	600- 700PM	123 AC	LEYD C
143	ART&CUL-AFROAMERICAN		4	001	T R	1230- 330PM	103 TI	LOCKARD J
183	AFRO-AMER MUS CULT		3	001	M	600- 900PM	242 LA	LOCKARD J
210	AFRO-AMER DANCE II	ON 110 OR CONSE	3	001	M W F	1100-1200	109 AC	LAWRENCE M
			1	001	M W	700- 800PM	121 AC	LEYD C

BLUEPRINT READING (BPR) Dept. 64

100	BLUEPRINT READING		2	001	T	900-1200	113 DE	POGLIANO M
			2	002	R	600- 900PM	132 DE	
			2	005	W	700- 900PM	CHELS	
			2	009	T	600- 800PM	BRIGHT	
101	BLUEPRINT READING		3	001	M	1200- 300PM	113 DE	LOWE B
			3	002	M	530- 830PM	113 DE	LOWE B
			3	003	W	900-1200	113 DE	LOWE B
			3	004	W	530- 830PM	113 DE	LOWE B
110	BLPRT FOR CONST TRA	BPR 100	2	001	R	900-1200	113 DE	POGLIANO M

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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BUSINESS (BUS) Dept. 46

100	INVESTMENTS		1	001	M	600- 700PM	L2 LA	OHANIAN J
			1	062	R	700- 800PM	DEXTR	
107	WOMEN IN WORKPLACE	Meets first 7 weeks	1	001	W	400- 60CPM	103 SC	ARNOLD G
111	BUSINESS LAW		3	001	M W F	900-1000	108 SC	ZEEB R
			3	002	M W F	1000-1100	167 DE	
			3	003	M W	100- 230PM	167 DE	ZEEB R
			3	004	M W	530- 700PM	106 SC	
			3	005	T R	930-1100	106 SC	ZEEB R
			3	006	T R	1230- 200PM	103 SC	MCNALLY R
			3	007	T R	700- 830PM	106 SC	MCNALLY R
			3	060	W	600- 900PM	BRIAR	MCNALLY R
140	INTRO TO BUSINESS		3	001	M W F	900-1000	103 SC	
			3	002	M W F	1000-1100	125 DE	ZEEB R
			3	003	M W F	1100-1200	106 SC	ZEEB R
			3	004	M W	1200- 130PM	106 SC	
			3	005	M W	200- 33CPM	103 SC	
			3	006	M W	400- 530PM	236 LA	
			3	007	T R	800- 930	236 LA	
			3	008	T R	930-1100	103 SC	
			3	009	T R	1230- 200PM	106 SC	ROSS F
			3	010	M W	830-1000PM	236 LA	
			3	011	T R	530- 70CPM	106 SC	MCNALLY R
			3	012	S	900-1200	236 LA	
			3	050	* * * TO BE ARRANGED		* * *	MCNALLY R

NOTE:
Section 050 is a TV course
using the program series
"The Business File"

200	INDEPENDENT STUDY	CONSENT	3	060	S	100- 400PM	BRIAR	
207	BUS COMMUNICATION		3	039	R	600- 900PM	BRIGHT	
			3	094	W	700-1000PM	SALNE	
			2-8	001	* * * TO BE ARRANGED		* * *	PAULSON R
			3	001	M W	130- 30CPM	106 SC	PAULSON R
			3	002	T R	800- 930	244 LA	PAULSON R
			3	003	M W	530- 700PM	244 LA	
			3	055	T	700-1000PM	CHELS	

CHEMISTRY (CEM) Dept. 33

057	INTRO CHEMISTRY		3	001	M W F	900-1000	L2 LA	FRENCH G
			3	002	M W F	900-1000	L2 LA	FRENCH G
			3	003	M W F	900-1000	L2 LA	FRENCH G
			3	004	T R	700- 830PM	L2 LA	WESTOVER K
			3	005	T R	700- 830PM	L2 LA	WESTOVER K
			3	006	S	900-1200	238 LA	HEINEMANN B
058	INTRO CHEMISTRY LAB		1	001	T	900-1200	237 LA	FRENCH G
			1	002	T	100- 400PM	237 LA	VANGENDEREN G
			1	003	W	100- 40CPM	237 LA	FRENCH G
			1	004	R	800-1100	237 LA	GRISHOLD G
			1	005	M	700-1000PM	237 LA	DEJOHN D
			1	006	W	700-1000PM	237 LA	DEJOHN D
			1	007	S	100- 400PM	237 LA	HEINEMANN B

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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CHEMISTRY (CEM) Dept. 33 (Cont.)

105	FUND OF CHEMISTRY	HS CEM OR 057	4	001	M W F	1100-1200	L2 LA	POOL M
					T	800-1100	235 LA	
			4	002	M W F	1100-1200	L2 LA	POOL M
					T	1200- 300PM	235 LA	
			4	003	M W F	1100-1200	L2 LA	POOL M
					R	800-1100	235 LA	
			4	004	M W	700- 830PM	238 LA	GRISWOLD G
					T	700-1000PM	235 LA	
111	GENERAL CHEMISTRY	H S CEM & ALG	4	001	M W F	1200- 100PM	L2 LA	GRISWOLD G
					T	900-1200	231 LA	
			4	002	M W F	1200- 100PM	L2 LA	GRISWOLD G
					T	100- 400PM	231 LA	
			4	003	M W F	1200- 10CPM	L2 LA	GRISWOLD G
					W	100- 400PM	231 LA	
			4	004	M W F	1200- 100PM	L2 LA	GRISWOLD G
					R	1200- 300PM	233 LA	
			4	005	M W	700- 830PM	L2 LA	SANCHEZ J
					T	700-1000PM	231 LA	
			4	006	M W	700- 83CPM	L2 LA	SANCHEZ J
					R	700-1000PM	233 LA	
122	GENERAL CHEMISTRY	CEM 111	4	001	M WR	700- 940PM	231 LA	VANGENDEREN G
140	ORGANIC BIOCHEM	105 OR 111	4	001	M W F	1100-1200	238 LA	FRENCH G
					R	1200- 300PM	235 LA	
211	ORGANIC CHEMISTRY	CEM 111	3	001	M W F	100- 20CPM	238 LA	PCOL M

CHILD CARE WORKER (CCW) Dept. 76

101	CHILD DEVELOPMENT		3	001	M W	500- 630PM	101 FE	PACIOREK K
105	PRACTICUM 1		3	001	* * * TO	BE ARRANGED	* * *	GLUSAC A
106	PRACTICUM 11		3	001	* * * TO	BE ARRANGED	* * *	GLUSAC A
111	DAY CARE ADMIN		3	001	M W	200- 330PM	101 FE	
114	PRACTICUM 111		4	001	* * * TO	BE ARRANGED	* * *	GLUSAC A
189	STUDY PROBLEMS	CONSENT	1	001	* * * TO	BE ARRANGED	* * *	GLUSAC A
200	STAFF/PARENT RELAT		3	001	M W	330- 500PM	101 FE	PACIOREK K

Seminar for CCW 105, 106, and 114 meets Mondays, 1:00-2:00 p.m. Students in practicums are to contact WCC Children's Center during registration.

COMPUTER INFORMATION SYSTEMS (CIS) Dept. 40

100	INTRO TO COMP		3	001	W	1230- 330PM	211 TI	KRIEG L
			3	002	R	1230- 330PM	214 TI	WOTRING R
			3	003	F	930-1230PM	214 TI	KRIEG L
			3	004	M	700-1000PM	214 TI	
			3	005	R	700-1000PM	214 TI	
			3	006	S	900-1200	214 TI	
			3	007	R	800-1100	214 TI	WOTRING R
			3	008	W	700-1000PM	214 TI	
			3	050	* * * TO	BE ARRANGED	* * *	KRIEG L

NOTE:
Section 050 is a TV course
using the program series
"New Literacy."

105	MICRO COMP PROG BEG		2	001	W	700- 900PM		
			2	002	T	930-1130	209 TI	JINDAL U
			2	003	P	930-1130	209 TI	JINDAL U
111	COMPUTER CONCEPTS		3	001	T R	900-1100	210 TI	FINKBEINER C
			3	002	T R	1230- 330PM	210 TI	FINKBEINER C
			3	003	M W	1230- 33CPM	210 TI	WOTRING R
			3	004	M W	700-1000PM	210 TI	
			3	005	T R	700-1000PM	210 TI	
			3	006	S	800- 200PM	210 TI	

Sections meet first seven weeks, 9/3 to 10/25

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
COMPUTER INFORMATION SYSTEMS (CIS)... Dept. 40 (Cont.)								
111	COMPUTER CONCEPTS	15 week course	3	007	W	930-1230PM	214 TI	FINKBEINER C
			3	008	M	700-1000PM		FINKBEINER C
			3	055	M	700-1000PM	CHELS	
			3	062	R	700-1000PM	DEXTR	
			3	089	M	700-1000PM	BRGHT	
			3	090	W	700-1000PM	BRGHT	
112	COMPUTER FUNCTIONS	CIS 111	3	001	T R	800-1100	210 TI	FINKBEINER C
			3	002	T R	1230- 330PM	210 TI	FINKBEINER C
			3	003	M W	1230- 330PM	214 TI	WOTRING R
			3	004	M W	700-1000PM	210 TI	
			3	005	T R	700-1000PM	210 TI	
			3	006	S	800- 200PM	210 TI	
115	PROGRAMMING LOGIC	CIS 112	3	001	T	800-1100	214 TI	WOTRING R
			3	002	T	1230- 330PM	214 TI	WOTRING R
			3	003	T	700-1000PM	214 TI	
130	PASCAL BUS & INDUS	CIS 111, 112 OR	3	001	T R	930-1100	211 TI	RINN J
			3	002	M W	530- 700PM	210 TI	RINN J
			3	003	W	700-1000PM	211 TI	RINN J
131	FORTAN BUS & INDUS		3	001	M	700-1000PM	209 TI	
136	BASIC FOR BUS & IND		3	001	M W	930-1100	211 TI	RINN J
			3	002	W	700-1000PM	209 TI	
139	C PROGRAM LANGUAGE	CIS 130 OR EQUI	3	001	T	700-1000PM	209 TI	KRIEG L
			3	002	T	1230- 330PM	209 TI	KREIG L
141	COMPUTER OPERATIONS I		3	001	T R	1000-1200	224 TI	PAUP A
			3	002	T R	730- 930PM	224 TI	
142	COMPUTER OPERATIONS II	CONSENT	3	001	T R	800-1000	211 TI	PAUP A
199	ON JOB TRAINING	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	PAUP A
230	ADV PASCAL BUS & IND	CIS 115	3	001	T R	530- 700PM	214 TI	PAUP A
271	INTRO COBOL	CIS 130	3	001	T R	700-1000PM	211 TI	JINDAL U
			3	002	M W	930-1230PM	209 TI	JINDAL U
272	INTERMED COBOL	CIS 271	3	001	T R	700-1000PM	211 TI	JINDAL U
			3	002	M W	930-1230PM	209 TI	JINDAL U
273	ADVANCED COBOL	CIS 272	3	001	M	700-1000PM	211 TI	RINN J
282	DATA BASE	CIS 130	3	001	M W	530- 700PM	211 TI	FINKBEINER C
284	DATA COMMUNICATIONS		3	001	M W	530- 700PM	209 TI	JINDAL U

COMPUTER SCIENCE (CPS) Dept. 31

183	INTRO BASIC PROG	MTH 097	4	001	M W	1100- 130PM	224 TI	GLOBERG D
			4	002	T R	1100- 100PM	224 TI	GLOBERG D
			4	003	M W	500- 700PM	216 TI	
			4	004	T R	700- 900PM	216 TI	
186	INTRO PASCAL PROG	MTH 169	4	001	T R	900-1100	216 TI	REHEN J
			4	002	T R	100- 300PM	224 TI	SHOWALTER M
			4	003	T P	500- 700PM	216 TI	
187	INTRO FORTRAN PROG		4	001	M W	1200- 200PM	216 TI	SHOWALTER M
			4	002	T R	530- 730PM	224 TI	
287	ADVANCED FORTRAN	CPS 187 OR 294	4	001	M W	200- 400PM	216 TI	PALAY R
294	COMPARATIVE LANGUAG	183, 186, 187 O	4	001	M W	100- 300PM	224 TI	REHEN J

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
CRIMINAL JUSTICE (CJ) Dept. 78								
100	INTRO CRIM JUSTICE		3	001	M W F	900-1000	115 SC	LUDOS P
			3	002	M W F	900-1000	109 SC	
			3	003	M	600- 900PM	115 SC	
			3	004	T R	930-1100	115 SC	WISE W
			3	005	M W F	800- 900	115 SC	
			3	089	R	700-1000PM	BRGHT	
			3	094	M	700-1000PM	SALNE	
122	CORRECTIONAL SYSTEM		3	001	M W F	1000-1100	115 SC	
			3	002	T	600- 900PM	115 SC	AUTHIER M
199	STUDY PROBLEMS	CONSENT	1	001	* * *	TO BE ARRANGED	* * *	LUDCS P
199	ON THE JOB TRAINING	CONSENT	1-6	001	* * *	TO BE ARRANGED	* * *	LUDCS P
205	APPL PSY FOR POLICE		3	001	T R	1100-1230PM	109 SC	BREDVELD B
208	CRIMINAL EVID & PRO	209	3	001	M	600- 900PM	109 SC	SIMMS J
209	CRIMINAL LAW		3	001	M W F	1200- 100PM	115 SC	MARGOSIAN G
210	INTRO CRIMINALISTIC		3	001	R	600- 900PM	303 LA	
223	JUVENILE JUSTICE		3	001	M W F	1100-1200	115 SC	LUDOS P
			3	002	T R	1100-1230PM	113 SC	BLYSMA D
Meets with SOC 250, Section 001								
224	CRIMINAL INVEST		3	003	R	600- 900PM	115 SC	
			3	001	M W	100- 230PM	115 SC	LUDOS P
			3	002	W	600- 900PM	115 SC	CFARRELL D
225	SEM CRIMINAL JUST		3	001	M	100- 40CPM	109 SC	WJARES T

CULINARY ARTS (CUL) Dept. 74

100	INTRO HOSP IND MGT		3	001	T R	900-1030	108 SC	BEAUCHAMP J
110	SANITATION-HYGIENE		3	001	M W	600- 730PM	108 SC	MCGREHOUSE M
111	ELEM FOOD PREP		6	001	MTWR	1100- 230PM	122 SC	GARRETT C
118	PRIN OF NUTRITION		3	001	M W	900-1030	110 CE	MERWIN S
150	DINING ROOM MGT		6	001	MTWR	1100- 230PM	108 SC	BEAUCHAMP J
189	STUDY PROBLEMS	CONSENT	1-6	001	* * *	TO BE APRANGED	* * *	
199	ON THE JOB TRAINING	30 HRS IN PROGR	1-6	001	* * *	TO BE APRANGED	* * *	GARRETT C
219	ELEMENTARY BAKING	111	4	001	MT	600- 900PM	122 SC	
220	ORG-MGT FOOD SYS	CUL 100	3	001	M W	600- 730PM	208 SC	WALKER D
222	QUANTITY FOOD PROD	CUL 111	6	001	MTWR	715-1100	122 SC	BEATCH J
228	LAYOUT AND EQUIP	122	4	001	MTW	330- 530PM	107 TI	GARRETT C
260	CATERING & BANQUETS	100, 111	3	001	W	230- 430PM	108 SC	BEATCH J

DANCE (DN) Dept. 16

101	BEG MODERN DANCE		2	001	M W	900-1030	123 AC	SETRAKIAN W
103	TAP DANCING		1	001	M W	100- 145PM	123 AC	MANCINELLI D
105	BEG JAZZ DANCE		2	001	T R	1100-1230PM	121 AC	HAMP L
			2	002	M W F	1100-1200	123 AC	MANCINELLI D
106	BEGINNING JAZZ II		2	001	T R	1230- 200PM	121 AC	HAMP L
107	BEGINNING BALLET		2	001	M W F	1200- 100PM	123 AC	MANCINELLI D
108	BEGINNING BALLET II		2	001	M W	1030-1200	123 AC	SETRAKIAN W
110	AFRO-AMERICAN DANCE		1	001	M W	600- 700PM	123 AC	LOYD C
122	BALLROOM DANCE		1	001		700- 830PM	123 AC	ZELNIK S
			1	062	M	630- 800PM	DEXTR	
			1	089	W	630- 800PM	BRGHT	
123	DANCE EXERCISE I	Meets 9/4 to 10/23	1	001	M W F	100- 200PM	121 AC	MANCINELLI D
		Meets 9/5 to 10/24	1	002	T R	400- 530PM	123 AC	ZELNIK S
210	AFRO-AMER DANCE II	DN 110 OR CONSL	1	001	M W	700- 800PM	121 AC	LOYD C

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
DANCE (DN) Dept. 16 (Cont.)								
221	MUSIC FOR DANCE	CONSENT	3	001	M W	900-1000	121 AC	LOYD C
					R	200- 400PM	121 AC	
222	BALL ROOM DANCE II	DN 122 OR CONSE	1	001	R	830-1000PM	123 AC	ZELNIK S
			1	089	W	800- 930PM	BRIGHT	
223	DANCE EXERCISE II	Meets 10/25 to 12/18	1	001	M W F	130- 200PM	121 AC	
		Meets 10/29 to 12/19	1	002	T R	400- 530PM	123 AC	ZELNIK S
224	DANCE EXERCISE III		2	001	T R	530- 630PM	123 AC	ZELNIK S
			2	002	M W	1200- 100PM	121 AC	

DENTAL ASSISTING (DA) Dept. 51

039	DENTAL ASST REVIEW	Begin 9/17Ends 10/10	1	001	T R	600- 900PM	331 LA	FINKBEINER B
110	INTRO TO DENT ASST	ADM TO PROG	3	001	M	100- 500PM	331 LA	FINKBEINER B
					R	900-1100	327 LA	
					R	1130- 100PM		
111	DENTAL SCIENCE	ADM TO PROG	4	001	M W	1000-1200	331 LA	NEVERS W
113	DENTAL MATERIALS	Begin October 1	2	001	M W	830-1000	327 LA	NEVERS W
114	CLINICAL DENTAL ASST	ADM TO PROG 2.0	3	001	M	100- 500PM	331 LA	FINKBEINER B
					R	900-1100	327 LA	
					R	1130- 100PM	331 LA	
120	ORAL DIAGNOSIS TECH	Begin October 23	2	001	W	100- 500PM	331 LA	NEVERS W
189	STUDY PROBLEMS		1-8	001	* * * TO	BE ARRANGED	* * *	FINKBEINER B
224	EXPANDED DUTIES		3	001	W	600- 900PM	327 LA	NEVERS W

ECONOMICS (EC) Dept. 02

111	CONSUMER ECONOMICS		3	001	M W F	1130-1230	107 SC	GLUSAC I
211	PRINCIPLES OF ECON		3	001	M W F	900-1000	102 SC	HCLMES G
			3	002	M W F	1030-1130	102 SC	HCLMES G
			3	003	M W F	1100-1200	102 SC	HCLMES G
			3	004	M W	100- 230PM	102 SC	HCLMES G
			3	005	M	700-1000PM	102 SC	HCLMES G
			3	006	T R	930-1100	102 SC	VASS S
			3	007	T R	1230- 200PM	102 SC	VASS S
			3	008	T R	530- 700PM	102 SC	VASS S
			3	009	W	700-1000PM	102 SC	HCLMES G
			3	010	S	900-1200	102 SC	KAKWAN S
			3	050	* * * TO	BE ARRANGED	* * *	VASS S

NOTE:
Section 050 is a TV course
using the program series
"The Money Puzzle"

222	PRINCIPLES OF ECON	EC 211	3	055	W	700-1000PM	CHELS	
			3	081	T	700-1000PM	YPS1	
			3	001	T R	1130-1230PM	102 SC	VASS S
			3	002	T	700-1000PM	102 SC	VASS S
			3	003	R	700-1000PM	102 SC	VASS S

ELECTRICITY/ELECTRONICS (EE) Dept. 65

101	SERVICING TECHNIQUE	111 COREQ	4	001	T R	800-1100	129 LA	
			4	002	T R	1200- 300PM	129 LA	
			4	003	M P	730-1030PM	129 LA	
105	INTRO TELECOMM		3	001	M W	100- 230PM	209 SC	
			3	002	M W	530- 700PM	209 SC	

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
ELECTRICITY/ELECTRONICS (EE) Dept. 65 (Cont.)								
120	ELECT APPLICATIONS	111 & 110	2	001	M F	1000-1130	207 SC	
			2	002	M ?	1000-1130	101 SC	
			2	003	M W	600- 730PM	207 SC	
			2	004	M W	600- 730PM	209 SC	
122	ELECTRICAL FUND	111&MTH 151	4	001	M F	800- 930	207 SC	
					W	800-1100	101 LA	
			4	002	M R	1200- 130PM	207 SC	
					W	1200- 30CPM	101 LA	
			4	003	M R	430- 600PM	207 SC	
					T	430- 730PM	101 LA	
			4	004	M R	730- 900PM	207 SC	
					T	730-103CPM	101 LA	
123	FUND OF ELECTRICITY		8	001	M W F	800-1100	121 LA	
			8	002	M W F	1200- 30CPM	121 LA	
			8	003	M W F	700-1000PM	121 LA	
123A	FUND OF ELEC A		5	001	T R	800-1030	207 LA	
			5	002	M	1200- 230PM	101 LA	
					W	1200- 230PM	207 SC	
			5	003	M W	430- 700PM		
			5	004	M W	700- 930PM		
131	PROGRAM CONTROLLERS	EE110, 111, 134	4	001	T R	1200- 300PM	127 LA	
137	SWITCHING LOGIC		3	001	T R	800-1000	121 SC	
			3	002	T R	1200- 200PM	121 LA	
			3	003	T	530- 730PM	121 LA	
					R	530- 730PM	207 SC	
			3	004	T	730- 930PM	121 LA	
					R	730- 930PM	207 SC	
139	COMPUTER SYS FUND	137	4	001	M W	1200- 200PM	142 LA	
					M	200- 400PM	142 LA	
			4	002	M W	1200- 200PM	142 LA	
					W	200- 400PM	142 LA	
			4	003	T R	1200- 20CPM	142 LA	
					T	200- 400PM	142 LA	
			4	004	T R	1200- 200PM	142 LA	
					R	200- 40CPM	142 LA	
			4	005	M W	600- 800PM	142 LA	
					M	800-1000PM	142 LA	
			4	006	M W	600- 800PM	142 LA	
					W	800-1000PM	142 LA	
140	SOFTWARE CONCEPTS I	137,139	3	001	M W	800-1000	209 SC	
			3	002	M W	500- 700PM	121 LA	
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	
199	ON THE JOB TRAINING	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	
205	BASIC TELEPHONY	105, 122	4	001	T	600- 900PM		
					F	600- 900PM	103 LA	
211	BASIC ELECTRONICS	111,MTH151	4	001	T R	1000-1130	121 SC	
					T	1200- 300PM	101 LA	
			4	002	M R	130- 300PM	207 SC	
					F	1200- 30CPM	101 LA	
			4	003	T	730-103CPM	207 SC	
					R	730-103CPM	101 LA	
221	COMPUTER PERIPHERAL	139	3	001	T F	900-1100	142 LA	
222	DIGITAL ELECT I	122 137 211	4	001	M W	1000-1130	103 LA	
					F	900-1200	103 LA	
			4	002	M W	700-1000PM	103 LA	
230	COMPUTER SYSTEMS II	139-211	4	001	M W	1200- 20CPM	224 TI	
					M	200- 400PM	132 LA	
			4	002	M W	1200- 20CPM	224 TI	
					W	200- 400PM	132 LA	
			4	003	M W	630- 830PM	224 TI	
					M	830-103CPM	132 LA	

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
ELECTRICITY/ELECTRONICS (EE) Dept. 65 (Cont.)								
230	COMPUTER SYSTEMS II	139, 211	4	004	M W W	630- 830PM 830-1030PM	224 TI 132 LA	
235	COMPUTER SYST III	230 241	4	001	T R	600- 800PM	142 LA	
			4	002	T R	800-1000PM	132 LA	
					R	600- 800PM	142 LA	
						800-1000PM	132 LA	
240	CAREER PRACT SEM		2	001	T R	1100-1200	207 LA	
			2	002	W	730- 930PM	209 LA	
241	DIGITAL ELECT II	COREQ 222	4	001	T R	1200- 300PM	103 LA	
			4	002	T R	700-1000PM	103 LA	
250	MICROPROCESSORS	137 139 211	4	001	T R	800-1100	103 LA	
			4	002	M W	700-1000PM	101 LA	
EMERGENCY MEDICAL TECHNOLOGY (EMT) DEPT. 55								
101	EMT PRINCIPLES I		3	001	M	600- 900PM	160 OE	DUNHAM C
102	EMT TECHNIQUES I		3	001	W	600- 900PM	160 OE	DUNHAM C
			3	002	W	600- 900PM	160 OE	DUNHAM C
105	PATIENT CARE PROC		3	001	* * * TO	BE ARRANGED	* * *	DUNHAM C
115	EM TECH SPECIALIST	CONSENT	5	001	M W	130- 400PM	160 OE	
120	AM RED CR FIRST AID		3	001	M	900-1200		
134	ADVANCED FIRST AID		3	001	R	100- 400PM	160 OE	
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	DUNHAM C
ENGLISH (ENG) Dept. 24								
000	WRITING LAB		0	001	M	900-1000	315 SC	
			0	002	M	1000-1100	315 SC	
			0	003	M	1000-1100	315 SC	
			0	004	M	1100-1200	315 SC	
			0	005	M	1100-1200	315 SC	
			0	006	M	1200- 100PM	315 SC	
			0	007	M	1200- 100PM	315 SC	
			0	008	M	100- 200PM	315 SC	
			0	009	M	100- 200PM	315 SC	
			0	010	M	200- 300PM	315 SC	
			0	011	M	200- 300PM	315 SC	
			0	012	M	300- 400PM	315 SC	
			0	013	M	400- 500PM	315 SC	
			0	014	M	500- 600PM	315 SC	
			0	015	M	600- 700PM	315 SC	
			0	016	M	700- 800PM	315 SC	
			0	017	M	800- 900PM	315 SC	
			0	018	T	900-1000	315 SC	
			0	019	T	1000-1100	315 SC	
			0	020	T	1000-1100	315 SC	
			0	021	T	1100-1200	315 SC	
			0	022	T	1100-1200	315 SC	

For more information about writing courses and a self placement survey, call 973-3647
PLEASE DO NOT PURCHASE TEXTS UNTIL YOU ATTEND YOUR FIRST CLASS.

If you are enrolled in English 050, 051, 091, 100 or 111, please register for one writing lab section of your choice.

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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ENGLISH (ENG) Dept. 24 (Cont.)

000	WRITING LAB		0	023	T	1200- 100PM	315	SC	
			0	024	T	1200- 100PM	315	SC	
			0	025	T	100- 20CPM	315	SC	
			0	026	T	100- 200PM	315	SC	
			0	027	T	200- 300PM	315	SC	
			0	028	T	200- 300PM	315	SC	
			0	029	T	400- 500PM	315	SC	
			0	030	T	500- 600PM	315	SC	
			0	031	T	600- 70CPM	315	SC	
			0	032	T	700- 800PM	315	SC	
			0	033	T	800- 900PM	315	SC	
			0	034	W	900-1000	315	SC	
			0	035	W	1000-1100	315	SC	
			0	036	W	1000-1100	315	SC	
			0	037	W	1100-1200	315	SC	
			0	038	W	1100-1200	315	SC	
			0	039	W	1200- 100PM	315	SC	
			0	040	W	1200- 10CPM	315	SC	
			0	041	W	100- 200PM	315	SC	
			0	042	W	100- 200PM	315	SC	
			0	043	W	200- 30CPM	315	SC	
			0	044	W	300- 400PM	315	SC	
			0	045	W	400- 500PM	315	SC	
			0	046	W	500- 600PM	315	SC	
			0	047	W	600- 700PM	315	SC	
			0	048	W	700- 800PM	315	SC	
			0	049	R	900-1000	315	SC	
			0	050	R	1000-1100	315	SC	
			0	051	R	1000-1100	315	SC	
			0	052	R	1100-1200	315	SC	
			0	053	R	1100-1200	315	SC	
			0	054	R	1200- 10CPM	315	SC	
			0	055	R	1200- 100PM	315	SC	
			0	056	R	100- 20CPM	315	SC	
			0	057	R	100- 200PM	315	SC	
			0	058	R	200- 300PM	315	SC	
			0	059	R	600- 700PM	315	SC	
			0	060	R	700- 800PM	315	SC	
			0	061	F	900-1000	315	SC	
			0	062	F	1000-1100	315	SC	
			0	063	F	1000-1100	315	SC	
			0	064	F	1100-1200	315	SC	
			0	065	F	1100-1200	315	SC	
			0	066	F	1200- 100PM	315	SC	
			0	067	F	1200- 100PM	315	SC	
			0	068	F	100- 20CPM	315	SC	
			0	069	F	100- 200PM	315	SC	
			0	070	F	200- 300PM	315	SC	
			0	071	F	200- 30CPM	315	SC	
			0	072	T	400- 500PM	315	SC	
010	WRITING PRACTICUM		1	001	M	900-1000	315	SC	MITCHELL B
			1	002	M	1000-1100	315	SC	SALERNO C
			1	003	M	1000-1100	315	SC	HATCHER R
			1	004	M	1100-1200	315	SC	GAUGHAN J
			1	005	M	1100-1200	315	SC	SALERNO C
			1	006	M	1200- 100PM	315	SC	FRITTS R
			1	007	M	1200- 100PM	315	SC	CROAKE E
			1	008	M	100- 20CPM	315	SC	SALERNO C
			1	009	M	100- 200PM	315	SC	FRITTS R
			1	010	M	200- 300PM	315	SC	CROAKE E
			1	011	M	200- 30CPM	315	SC	GAUGHAN J
			1	012	M	300- 400PM	315	SC	CROAKE E
			1	013	M	400- 500PM	315	SC	CROAKE E
			1	014	M	500- 60CPM	315	SC	HUNT B
			1	015	M	600- 700PM	315	SC	HUNT B
			1	016	M	700- 800PM	315	SC	FRITTS R

If you would like to work individually on your writing or sample our writing instruction, you should elect Writing Practicum 010. Individualized instruction is provided.

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
ENGLISH (ENG) Dept. 24 (Cont.)								
010	WRITING PRACTICUM		1	017	M	800- 900PM	315 SC	FRITTS R
			1	018	T	900-1000	315 SC	ERICKSON L
			1	019	T	1000-1100	315 SC	ERICKSON L
			1	020	T	1000-1100	315 SC	SALERNO C
			1	021	T	1100-1200	315 SC	MITCHELL B
			1	022	T	1100-1200	315 SC	GAUGHAN J
			1	023	T	1200- 100PM	315 SC	MITCHELL B
			1	024	T	1200- 100PM	315 SC	ERICKSON L
			1	025	T	100- 200PM	315 SC	SALERNO C
			1	026	T	100- 200PM	315 SC	HATCHER R
			1	027	T	200- 300PM	315 SC	HATCHER R
			1	028	T	300- 400PM	315 SC	ERICKSON L
			1	029	T	400- 500PM	315 SC	ERICKSON L
			1	030	T	500- 600PM	315 SC	WILLIAMS T
			1	031	T	600- 700PM	315 SC	MINOCK D
			1	032	T	700- 800PM	315 SC	MINOCK D
			1	033	T	800- 900PM	315 SC	MINOCK D
			1	034	W	900-1000	315 SC	MITCHELL B
			1	035	W	1000-1100	315 SC	ERICKSON L
			1	036	W	1000-1100	315 SC	SALERNO C
			1	037	W	1100-1200	315 SC	GAUGHAN J
			1	038	W	1100-1200	315 SC	SALERNO C
			1	039	W	1200- 100PM	315 SC	CROAKE E
			1	040	W	1200- 100PM	315 SC	ERICKSON L
			1	041	W	100- 200PM	315 SC	SALERNO C
			1	042	W	100- 200PM	315 SC	ERICKSON L
			1	043	W	200- 300PM	315 SC	CROAKE E
			1	044	W	300- 400PM	315 SC	CROAKE E
			1	045	W	400- 500PM	315 SC	CROAKE E
			1	046	W	500- 600PM	315 SC	HUNT B
			1	047	W	600- 700PM	315 SC	HUNT B
			1	048	W	700- 800PM	315 SC	
			1	049	R	900-1000	315 SC	ERICKSON L
			1	050	R	1000-1100	315 SC	MINOCK D
			1	051	R	1000-1100	315 SC	ERICKSON L
			1	052	R	1100-1200	315 SC	MITCHELL B
			1	053	R	1100-1200	315 SC	MINOCK D
			1	054	R	1200- 100PM	315 SC	MITCHELL B
			1	055	R	1200- 100PM	315 SC	MINOCK D
			1	056	R	100- 200PM	315 SC	HATCHER R
			1	057	P	100- 200PM	315 SC	MINOCK D
			1	058	R	200- 300PM	315 SC	MINOCK D
			1	059	R	600- 700PM	315 SC	
			1	060	R	700- 800PM	315 SC	
			1	061	F	900-1000	315 SC	MITCHELL B
			1	062	F	1000-1100	315 SC	SALERNO C
			1	063	F	1000-1100	315 SC	HATCHER R
			1	064	F	1100-1200	315 SC	SALERNO C
			1	065	F	1100-1200	315 SC	HATCHER R
			1	066	F	1200- 100PM	315 SC	CROAKE E
			1	067	F	1200- 100PM	315 SC	HATCHER R
			1	068	F	100- 200PM	315 SC	HATCHER R
			1	069	F	100- 200PM	315 SC	
			1	070	F	200- 300PM	315 SC	CROAKE E
			1	071	F	200- 300PM	315 SC	
			1	072	T	400- 500PM	315 SC	
015	TEXT EDITING		1	001	M	900-1000	315 SC	
			1	002	M	1000-1100	315 SC	
			1	003	M	1000-1100	315 SC	
			1	004	M	1100-1200	315 SC	
			1	005	M	1100-1200	315 SC	
			1	006	M	1200- 100PM	315 SC	
			1	007	M	1200- 100PM	315 SC	
			1	008	M	100- 200PM	315 SC	
			1	009	M	100- 200PM	315 SC	
			1	010	M	200- 300PM	315 SC	

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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ENGLISH (ENG) Dept. 24 (Cont.)

015	TEXT EDITING		1	011	M	200- 300PM	315	SC
			1	012	M	300- 400PM	315	SC
			1	013	M	400- 500PM	315	SC
			1	015	M	600- 700PM	315	SC
			1	016	M	700- 800PM	315	SC
			1	017	M	800- 900PM	315	SC
			1	018	T	900-1000	315	SC
			1	019	T	1000-1100	315	SC
			1	020	T	1000-1100	315	SC
			1	021	T	1100-1200	315	SC
			1	022	T	1100-1200	315	SC
			1	023	T	1200- 100PM	315	SC
			1	024	T	1200- 100PM	315	SC
			1	025	T	100- 200PM	315	SC
			1	026	T	100- 200PM	315	SC
			1	028	T	200- 300PM	315	SC
			1	029	T	400- 500PM	315	SC
			1	030	T	500- 600PM	315	SC
			1	031	T	600- 700PM	315	SC
			1	032	T	700- 800PM	315	SC
			1	033	T	800- 900PM	315	SC
			1	034	W	900-1000	315	SC
			1	035	W	1000-1100	315	SC
			1	036	W	1000-1100	315	SC
			1	037	W	1100-1200	315	SC
			1	038	W	1100-1200	315	SC
			1	039	W	1200- 100PM	315	SC
			1	040	W	1200- 100PM	315	SC
			1	041	W	100- 200PM	315	SC
			1	042	W	100- 200PM	315	SC
			1	043	W	200- 300PM	315	SC
			1	044	W	300- 400PM	315	SC
			1	045	W	400- 500PM	315	SC
			1	046	W	500- 600PM	315	SC
			1	047	W	600- 700PM	315	SC
			1	048	W	700- 800PM	315	SC
			1	049	R	900-1000	315	SC
			1	050	R	1000-1100	315	SC
			1	051	R	1000-1100	315	SC
			1	052	R	1100-1200	315	SC
			1	053	R	1100-1200	315	SC
			1	054	R	1200- 100PM	315	SC
			1	055	R	1200- 100PM	315	SC
			1	056	R	100- 200PM	315	SC
			1	057	R	100- 200PM	315	SC
			1	058	R	200- 300PM	315	SC
			1	059	R	600- 700PM	315	SC
			1	060	R	700- 800PM	315	SC
			1	061	F	900-1000	315	SC
			1	062	F	1000-1100	315	SC
			1	063	F	1000-1100	315	SC
			1	064	F	1100-1200	315	SC
			1	065	F	1100-1200	315	SC
			1	066	F	1200- 100PM	315	SC
			1	067	F	1200- 100PM	315	SC
			1	068	F	100- 200PM	315	SC
			1	069	F	100- 200PM	315	SC
			1	070	F	200- 300PM	315	SC
			1	071	F	200- 300PM	315	SC
			1	072	T	400- 500PM	315	SC
030	ENG FOREIGN BORN I		2	001	M W F	200- 300PM	208	SC
			2	002	T R	700- 830PM	208	SC
031	ENG FOREIGN BORN II		2	001	M W F	200- 300PM	211	SC
040	BASIC WRITING - ESL	COREQ: 000	4	001	M W F	1200- 100PM	208	SC
050	BASIC WRITING I	COREQ: 000	4	001	M W F	900-1000	306	SC
			4	002	M W F	100- 200PM	306	SC
			4	003	M W	530- 700PM	306	SC
			4	004	T R	930-1100	306	SC
			4	005	T R	1100-1230PM	306	SC

FRITTS R
CROAKE E
FRITTS R
HATCHER R
HATCHER R

If you would like help in writing sentences and short paragraphs and a review of writing grammar, you should elect Basic English 050. This course requires a Writing Lab. Topics: sentences, short paragraphs, grammar/mechanics, writing lab.

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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ENGLISH (ENG) Dept. 24 (Cont.)

051	BASIC WRITING II	COREQ: ENG 000	4	001	M W F	900-1000	306	SC	FRITTS P
			4	002	M W F	100-200PM	306	SC	CRCAKE E
			4	003	M W	530-700PM	306	SC	FRITTS P
			4	004	T R	930-1100	306	SC	HATCHER R
			4	005	T R	1100-1230PM	306	SC	HATCHER R
This is the second semester of English 050. Do not enroll in this course unless you have completed English 050. This course requires a writing lab.									
091	WRITING FUNDAMENTALS	COREQ: ENG000	4	001	M W	930-1100	208	SC	WILLIAMS T
			4	002	M W F	1100-1200	208	SC	WILLIAMS T
			4	003	T R	900-930	310	SC	
			4	004	T R	930-1100	310	SC	WILLIAMS T
			4	005	T R	1100-1230PM	310	SC	SALERNO C
			4	006	T R	1230-200PM	310	SC	WILLIAMS T
			4	007	R	600-900PM	211	SC	
			4	008		900-100PM	211	SC	
If you plan to elect English 100 or English 111, but first want to take a refresher course in writing fundamentals, you should elect Writing Fundamentals 091. This course requires a writing lab. Topics: long paragraphs, short essays, writing lab.									
100	COMMUNICATION SKILLS	COREQ: ENG 000	4	001	M W F	800-900	310	SC	
			4	002	M W	930-1100	308	SC	MINOCK D
			4	003	M W F	1000-1100	211	SC	CRCAKE E
			4	004	M W	1100-1230PM	308	SC	MINOCK D
			4	005	M W F	130-200PM	208	SC	GAUGHAN J
			4	006	M W	530-700PM	208	SC	
			4	007	T R	930-1100	208	SC	
			4	008	T R	1230-200PM	308	SC	GAUGHAN J
			4	009	T R	530-700PM	306	SC	HUNT B
			4	010	F	900-1200	308	SC	
If you plan to obtain a one- or two-year degree or certificate and do not plan to transfer to a four-year college, you should elect English 100. You must demonstrate your mastery of writing fundamentals by passing a proficiency exam during your first class session. This course requires a writing lab. Topics: resumes, letters, memos, reports.									
102	TERM PAPER		1	*001	* * * TO	BE ARRANGED	315	SC	
			1	*002	* * * TO	BE ARRANGED	315	SC	
			1	*003	* * * TO	BE ARRANGED	315	SC	
* NOTE: Meets first seven weeks, 9/3 to 10/25									
			1	*004	* * * TO	BE ARRANGED	315	SC	
			1	*005	* * * TO	BE ARRANGED	315	SC	
			1	*006	* * * TO	BE ARRANGED	315	SC	
** NOTE: Meets second seven weeks, 10/28 to 12/18									
107	TECH COMMUNICATION	COREQ: ENG 000	3	001	T R	930-1100	308	SC	GAUGHAN J
			3	002	T R	600-730PM	312	SC	
If you have completed Communication Skills 100 and want advanced technical writing instruction, you should elect English 107. Topics: advanced technical writing.									
111	COMPOSITION I	COREQ: ENG 000	4	001	M W F	800-900	313	SC	
			4	002	M W F	800-900	308	SC	
			4	003	M W F	900-1000	310	SC	GAUGHAN J
			4	004	M W F	900-1000	211	SC	SALERNO C
			4	005	M W F	1000-1100	238	LA	
			4	006	M W F	1100-1200	310	SC	CRCAKE E
			4	007	M W F	1100-1200	211	SC	
			4	008	M W F	1100-1200	306	SC	
			4	009	M W F	1200-100PM	306	SC	GAUGHAN J
			4	010	M W F	1200-100PM	211	SC	
			4	011	M W	1230-200PM	308	SC	
			4	012	M W F	100-200PM	211	SC	
			4	013	M W	200-330PM	306	SC	
			4	014	M	700-1000PM	308	SC	HUNT B
			4	015	T R	800-930	308	SC	
			4	016	T R	800-930	313	SC	
			4	017	T R	930-1100	313	SC	MITCHELL B
			4	018	T R	1100-1230PM	308	SC	WILLIAMS T
			4	019	T R	1230-200PM	308	SC	
			4	020	T	500-300PM	308	SC	WEIDNER H
			4	021	T	700-1000PM	310	SC	
			4	022	W	700-1000PM	310	SC	HUNT B
			4	023	R	530-830PM	308	SC	WEIDNER H
			4	024	F	800-1100	208	SC	
			4	025	F	1200-300PM	308	SC	
			4	026	S	900-100PM	211	SC	
If you plan to transfer to a 4-year college, you should elect English 111. You must demonstrate your mastery of writing fundamentals by passing a proficiency exam during your first class session. This course requires a writing lab. Topics: essay writing, research paper, writing lab.									

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
ENGLISH (ENG)					Dept. 24 (Cont.)			
122	COMPOSITION II	ENG 111	3	001	M W F	800- 900	306 SC	MITCHELL B
	If you already have completed English 111 and plan to transfer to a 4-year college, you should elect English 122. Topics: advanced research, critical essays, argumentative essays.		3	002	M W F	1000-1100	306 SC	MITCHELL B
			3	003	M W	100- 230PM	310 SC	MINOCK D
			3	004	T R	800- 930	306 SC	MITCHELL B
			3	005	T R	700- 830PM	306 SC	HUNT B
			3	006	T R	830-1000PM	306 SC	WEIDNER H
145	WOMEN WRITERS		3	083	M	700-1000PM	AAV	
160	INTRODUCTION TO LIT		3	001	T R	1100-1230PM	313 SC	FRITTS R
			3	002	R	530- 830PM	310 SC	FRITTS R
Section 1 of ENG 160 emphasizes poetry only								
170	INTRODUCTION TO LIT		3	001	M W F	900-1000	313 SC	HATCHER R
			3	002	M W F	1000-1100	313 SC	WEIDNER H
			3	003	M W	100- 230PM	313 SC	HATCHER R
			3	004	M	500- 800PM	313 SC	WEIDNER H
			3	005	T R	200- 330PM	310 SC	
			3	089	T	700-1000PM	BRGHT	
200	SHAKESPEARE		3	001	W	530- 830PM	313 SC	MINOCK D
210	CHILDRENS LIT		3	001	T	700-1000PM	313 SC	CROAKE E
211	AMERICAN LITERATURE		3	001	M	530- 830PM	310 SC	
212	ENGLISH LITERATURE		3	001	M W F	1000-1100	310 SC	GAUGHAN J
213	WORLD LITERATURE		3	001	M W F	1200- 100PM	310 SC	MITCHELL B
260	JOURNAL WORKSHOP	ENG 111	3	001	M W F	1200- 100PM	313 SC	WEIDNER H
261	JOURNAL WORKSHOP	ENG 250	3	001	M W F	1200- 100PM	313 SC	WEIDNER H
270	CREATIVE WRITING		3	001	M W F	1100-1200	313 SC	WEIDNER H
			3	002	T R	100- 230PM	313 SC	ERICKSON L
			3	003	T	600- 900PM	211 SC	ERICKSON L
			3	089	R	700-1000PM	BRGHT	
			3	094	R	700-1000PM	SALNE	
271	CREATIVE WRITING II	ENG 270	3	001	M W F	1100-1200	313 SC	WEIDNER H
			3	002	T R	100- 230PM	211 SC	ERICKSON L
			3	003	T	600- 900PM	313 SC	ERICKSON L

FINANCE (FIN) Dept. 43

100	PERS & CONS FINANCE		3	089	M	700-1000PM	BRGHT	
220	PRIN OF FINANCE	ACC 122	3	001	T R	1100-1230PM	167 DE	ROSS F
			3	002	M W	700- 830PM		

FIRE PROTECTION (FP) Dept. 79

100	INTRO TO FIRE PROT		3	001	M	600- 900PM	109 SC	ROBERTS J
101	HYDRAULICS I		3	001	T	600- 900PM	109 SC	
109	FIRE OPER STRATEGY		3	001	W	600- 900PM		DANGLER W
124	FIRE PROT SYST I		3	001	R	600- 900PM	109 SC	

FLUID POWER (FLP) Dept. 67

111	FLUID POWER FUND		4	001	M W	930-1200	116 TI	AGIN G
			4	002	M W	430- 700PM	116 TI	SCHULTZ G
			4	003	T R	600- 830PM	116 TI	SCHULTZ G
			4	004	T R	930-1200	116 TI	AGIN G
			4	005	M W	700- 930PM	107 TI	SCHULTZ G
122	HYDRAULIC PUMPS		4	001	M W	1245- 245PM	126 TI	AGIN G
			4	002	M	600-1000PM	116 TI	
189	STUDY PROBLEMS	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	AGIN G
199	ON THE JOB TRAINING	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	AGIN G
202	PLUMB AND PIPEFITNG		4	001	T R	530- 730PM	107 TI	

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor

FRENCH (FRN) Dept. 18

111	FIRST YEAR FRENCH		4	001	M WRF	900-1000	311 SC	RADICK L
			4	002	M WRF	100- 200PM	311 SC	RADICK L
			4	003	M W	600- 800PM	205 SC	
120	CONVER FRENCH		2	060	S	1000-1200	8RIAR	
			2	094	T	700- 900PM	SALNE	
213	SECOND YEAR FRENCH		3	001	M W F	1100-1200	311 SC	RADICK L

GENERAL STUDIES (GS) Dept 15

111	FIRST YR RUSSIAN		4	001	M WRF	200- 300PM	311 SC	RADICK L
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	RADICK L

GEOGRAPHY (GEO) Dept. 03

100	GEOG AND ENVIRONMT		3	001	R	700-1000PM	107 SC	MCPHILLIPS W
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GEOLOGY (GLG) Dept. 34

100	INTRO TO EARTH SCI		4	001	M W	900-1000	L3 LA	THOMAS D
					R	800-1100	201 LA	
			4	002	M W	900-1000	L3 LA	THOMAS D
					R	1200- 300PM	201 LA	
			4	003	M	600- 800PM	201 LA	THOMAS D
					W	600- 900PM	201 LA	
125	HISTORICAL GEOLOGY	GLG 114	4	001	M W	1000-1100	201 LA	THOMAS D
					T	900-1200	201 LA	

HEALTH SCIENCE (HS) Dept. 56

039	A & P REVIEW FOR PAT	COREQ HS 220	1	001	M	200- 400PM	342 LA	GROSSMAN E
113	INTRO MED SCIENCE		2	001	T	400- 600PM	168 OE	MARTIN L
			2	002	R	1000-1200	168 OE	MARTIN L
115	MED OFFICE LAB PROC		3	001	W	600- 900PM	168 OE	FREEL S

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
HEALTH SCIENCE (HS) Dept. 56 (Cont.)								
117	NUTRITION		2	001	M	900-1100	181 OE	
			2	002	T	700-900PM	181 OE	
147	GROWTH AND DEVELOPMENT	NUR STUDENTS/CON	3	001	M W	300-430PM	170 OE	GOODKIN E
220	PATHOPHYSIOLOGY	NUR STUDENTS/CON	4	001	T R	100-300PM	L3 LA	GROSSMAN E
244	MEDICAL ETHICS	NUR STUDENTS/CON	2	001	T	430-630PM	181 OE	VANDERVEEN J

HEATING (HTG) Dept. 81

103	POWER PLT ENG & TUR	102 OR CONSENT	3	001	M	600-900PM	ANNX TI	KOWALSKI D
106	POWER PLANT ELECT	CONSENT	3	001	T	600-900PM	ANNX TI	KOWALSKI D
122	HEATING SYSTEMS	111 AND CONSENT	5	001	M W	800-1030PM	126 TI	SWEENEY G
199	ON THE JOB TRAINING	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	
215	HEAT PUMP SERVICING	CONSENT	5	001	R F	500-730PM	ANNX TI	

HISTORY (HST) Dept. 04

101	WESTERN CIV TO 1600		3	001	M W F	900-1000	210 SC	REPS F
			3	002	M W F	1100-1200	206 SC	MICKELSON J
			3	003	M W F	1200-100PM	206 SC	MICKELSON J
			3	004	W	700-1000PM	206 SC	MICKELSON J
			3	005	M W F	1000-1100	210 SC	REPS F
			3	006	T P	930-1100	210 SC	REPS F
			3	008	R	700-1000PM	CHELS	
			3	009	M	600-900PM	BRIGHT	
102	WEST CIV SINCE 1600		3	001	M W F	900-1000	206 SC	MICKELSON J
			3	002	M W F	1000-1100	206 SC	MICKELSON J
200	MICHIGAN HISTORY		3	001	T	700-1000PM	206 SC	JONES T
201	U S 1500 TO 1865		3	001	M W F	1200-100PM	210 SC	REPS F
			3	002	M	630-930PM	206 SC	REPS F
			3	083	F	700-1000PM	AAV	
202	U S 1865 TO PRESENT		3	001	T R	1100-1230PM	210 SC	REPS F

HOTEL/MOTEL MANAGEMENT (HMT) ... Dept. 75

100	HOSPITALITY IND ACC		3	001	M	700-1000PM	170 OE	MOORE D
223	PRACT LODG & MGT	30 HRS IN PROGR	3	001	* * * TO	BE ARRANGED	* * *	BEAUCHAMP J
230	HOSPITALITY LAW		3	001	R	600-900PM	170 OE	WALTERS L

HUMANITIES(HUM) Dept. 22

101	INTRO TO HUMANITIES		3	001	T R	930-1100	109 SC	MICKELSON J
			3	002	M W	330-500PM	205 SC	THOMAS E
150	INTERNAT CINEMA		3	001	R	700-1000PM	CT LA	SUSNICK S
			3	060	F	1000-100PM	BRIAR	SUSNICK S

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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INDUSTRIAL DRAFTING (ID) Dept. 63

100	TECHNICAL DRAWING		4	001	M W	900-1200	130	OE	HENTZ G
			4	002	T R	1230- 330PM	130	OE	HENTZ G
			4	003	T R	600- 900PM	130	OE	MCGRAN H
105	PICTORIAL DRAFTING		2	001	T	600- 900PM	134	OE	ROGLIANO M
107	MECHANISMS		4	001	T R	800-1000	128	OE	PACKARD R
			4	002	M W	600- 800PM	128	OE	PACKARD R
111	INDUSTRIAL DRAFTING	100 OR CONSENT	4	001	T R	900-1200	128	OE	PACKARD R
			4	002	M W	700-1000PM	130	OE	PACKARD R
112	DESCRIPTIVE GEOM	100 OR CONSENT	4	001	M W	900-1200	128	OE	FORD A
			4	002	T R	600- 900PM	128	OE	HENTZ G
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *		PACKARD J
			1-8	002	* * * TO	BE ARRANGED	* * *		FORD A
			1-8	003	* * * TO	BE ARRANGED	* * *		STAGER A
199	ON THE JOB TRAINING	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *		FORD A
			1-8	002	* * * TO	BE ARRANGED	* * *		PACKARD R
			1-8	003	* * * TO	BE ARRANGED	* * *		STAGER A
212	THEORY OF DIES	T&D APPR	2	001	M	500- 800PM	120	TI	
216	INTRO COMP AID DRAFT	100 OR CONSENT	2	001	"	100- 400PM	164	OE	FORD A
			2	002	M	600- 900PM	164	OE	OWANS V
			2	003	S	800-1100	164	OE	VIDWANS M
217	INTRO TO 3D CAD	ID 216, 112 OR 2	2	001	T	900-1200	164	OE	FORD ANDREW
			2	002	T	600- 900PM	164	OE	STAGER A
219	2-D CAD PLNG & DRWG	ID 217 OR EQUIV	3	001	WR	900-1200	164	OE	STAGER A
			3	002	WR	600- 900PM	164	OE	STAGER A

INTEGRATED MANUFACTURING (IM) Dept. 36

121	ROBOTICS I /INTRO		3	001	T R	1230- 200PM	116	TI	AGIN G
			3	002	T	600- 900PM	113	OE	LCWE B
			3	003	M W	1230- 200PM	116	TI	SCHULTZ G
			3	089	R	600- 900PM	BRGT		
189	STUDY PROBLEMS	CONSENT	1	001	* * * TO	BE ARRANGED	* * *		AGIN G
199	ON JOB TRAINING		2-8	001	* * * TO	BE ARRANGED	* * *		AGIN G
223	ROBOTICS III		4	001	M W	1230- 330PM	126	TI	AGIN G
			4	002	T R	600- 900PM	120	TI	REBECK J

INTERN-EXTERN (IE) Dept. 44

200	INTERN EXTERN	CONSENT	2-8	001	T	400- 500PM	106	SC	ARNOLD G
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Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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MANAGEMENT & MARKETING (MGT) Dept. 47

150	LABOR MGT RELATIONS		3	001	T R	1100-1230PM	103 SC	MCNALLY R
			3	002	M W	830-1000PM	244 LA	
			3	089	T	700-1000PM	BRIGHT	
160	PRIN OF SALES	BUS 140	3	001	T R	1100-1230PM	106 SC	ZEEB R
			3	002	M W	700-830PM	103 SC	
200	HUMAN REL IN BUS IN	BUS 140	3	001	M W	1200-130PM	244 LA	PAULSON R
			3	002	T R	1230-200PM	236 LA	PAULSON R
208	PRIN OF MANAGEMENT		3	001	M W	930-110C	106 SC	ARNOLD G
			3	002	M W	830-1000PM	106 SC	STURCK J
			3	089	M	700-1000PM	BRIGHT	
209	SMALL BUS MGT		3	001	M W	1230-200PM	103 SC	ARNOLD G
			3	002	T R	700-830PM	103 SC	ARNOLD G
211	SMALL BUS MGT/WOMEN		4	001	T	600-830PM	103 SC	ARNOLD G
					R	700-830PM	103 SC	
220	WOMEN IN MANAGEMENT		3	060	M	600-900PM	BRIAR	ARNOLD G
230	SUPERVISORY MGT		3	001	M W	230-330PM	244 LA	ARNOLD G
			3	002	T R	530-700PM	236 LA	ARNOLD G
240	PERSONNEL MGT	BUS 140&MGT 208	3	001	M W F	1030-1100	103 SC	BELLERS C
			3	002	M W	700-830PM	106 SC	STURCK J
250	PRIN OF MARKETING		3	001	T R	200-330PM	236 LA	ROSS F

MATHEMATICS (MTH) Dept. 30

038	BUILD MATH CONF MEETS FIRST 8 WEEKS		2	001	M	200-400PM	322 LA	HASTINGS J
039	BASIC MATHEMATICS		3	001	M W	900-1030	320 LA	HEALING F
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	322 LA	REHEN J
			3	004	T R	900-1030	320 LA	HEALING R
			3	005	T R	900-1030	320 LA	GOLDBERG D
			3	006	T R	900-1030	323 LA	LEWIS W
			3	007	F	900-1200	320 LA	HEALING P
			3	008	S	900-1200	320 LA	LEE A
			3	009	M W	1030-1200	320 LA	HEALING R
			3	010	M W	1030-1200	323 LA	SHCWALTER M
			3	011	M W	1030-1200	322 LA	REHEN J
			3	012	T R	1030-1200	320 LA	HEALING R
			3	013	T R	1030-1200	320 LA	HEALING P
			3	014	T R	1030-1200	323 LA	LEWIS W
			3	015	M W	1200-130PM	320 LA	BOTTORFF R
			3	016	M W	1200-130PM	320 LA	HEALING P
			3	017	M W	1200-130PM	322 LA	ROSS D
			3	018	T R	1200-130PM	323 LA	HASTINGS J
			3	019	T R	1200-130PM	320 LA	LEE A
			3	020	M W	130-300PM	320 LA	BILA D
			3	021	M W	130-300PM	320 LA	BOTTORFF R
			3	022	T R	130-300PM	322 LA	PRICHARD L
			3	023	T R	130-300PM	323 LA	HASTINGS J
			3	024	M W	130-300PM	320 LA	BILA D
			3	025	M	530-830PM	320 LA	HEALING R
			3	026	M	530-830PM	322 LA	PRICHARD L
			3	027	M	530-830PM	320 LA	LEWIS W
			3	028	T	530-830PM	320 LA	BRINGARDNER S
			3	029	T	530-830PM	320 LA	WELCH E
			3	030	T	530-830PM	320 LA	HOAD E
			3	031	W	530-830PM	320 LA	EATELL M
			3	032	W	530-830PM	322 LA	PRICHARD L
			3	033	R	530-830PM	320 LA	WELCH E
			3	034	R	530-830PM	320 LA	HOAD E

Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
MATHEMATICS (MTH) Dept. 30 (Cont.)								
039	BASIC MATHEMATICS		3	054	W	630- 930PM	CHELS	MCGILL J
			3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G
			3	081	R	630- 930PM	YPSI	THOMSON B
			3	089	T	630- 930PM	BRIGHT	STEELE A
			3	090	W	630- 930PM	BRIGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
090	OCCUP MATH	MTH 039	3	001	M W	900-1030	320 LA	HEALING R
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	322 LA	REHEN J
			3	004	T R	900-1030	320 LA	HEALING R
			3	005	T R	900-1030	320 LA	GOLDBERG D
			3	006	T R	900-1030	323 LA	LEWIS W
			3	007	F	900-1200	320 LA	HEALING P
			3	008	S	900-1200	320 LA	LEE A
			3	009	M W	1030-1200	320 LA	HEALING R
			3	010	M W	1030-1200	323 LA	SHOWALTER M
			3	011	M W	1030-1200	322 LA	REHEN J
			3	012	T R	1030-1200	320 LA	HEALING R
			3	013	T R	1030-1200	320 LA	HEALING P
			3	014	T R	1030-1200	323 LA	LEWIS W
			3	015	M W	1200- 130PM	320 LA	BOTTORFF R
			3	016	M W	1200- 130PM	320 LA	HEALING P
			3	017	M W	1200- 130PM	322 LA	ROSS D
			3	018	T R	1200- 130PM	323 LA	HASTINGS J
			3	019	T R	1200- 130PM	320 LA	LEE A
			3	020	M W	130- 300PM	320 LA	BILA D
			3	021	M W	130- 300PM	320 LA	BOTTORFF R
			3	022	T R	130- 300PM	322 LA	PRICHARD L
			3	023	T R	130- 300PM	323 LA	HASTINGS J
			3	024	M W	130- 300PM	320 LA	BILA D
			3	025	M	530- 830PM	320 LA	HEALING R
			3	026	M	530- 830PM	322 LA	PRICHARD L
			3	027	M	530- 830PM	320 LA	LEWIS W
			3	028	T	530- 830PM	320 LA	BRINGARDNER S
			3	029	T	530- 830PM	320 LA	WELCH E
			3	030	T	530- 830PM	320 LA	MCAD E
			3	031	W	530- 830PM	320 LA	BATELL M
			3	032	W	530- 830PM	322 LA	PRICHARD L
			3	033	R	530- 830PM	320 LA	WELCH E
			3	034	R	530- 830PM	320 LA	MCAD E
			3	054	W	630- 930PM	CHELS	MCGILL J
			3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G
			3	081	R	630- 930PM	YPSI	THOMSON B
			3	089	T	630- 930PM	BRIGHT	STEELE A
			3	090	W	630- 930PM	BRIGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
097	INTRO ALGEBRA	MTH 039	4	001	M W F	1000-1140	340 LA	ROSS D
			4	002	T R	100- 330PM	216 TI	
			4	003	M W	700- 930PM	340 LA	LEE A
097A	INTRO ALGEBRA	MTH 039	3	001	M W	900-1030	320 LA	HEALING R
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	322 LA	REHEN J
			3	004	T R	900-1030	320 LA	HEALING R
			3	005	T R	900-1030	320 LA	GOLDBERG D
			3	006	T R	900-1030	323 LA	LEWIS W
			3	007	F	900-1200	320 LA	HEALING P
			3	008	S	900-1200	320 LA	LEE A
			3	009	M W	1030-1200	320 LA	HEALING R
			3	010	M W	1030-1200	323 LA	SHOWALTER M
			3	011	M W	1030-1200	322 LA	REHEN J
			3	012	T R	1030-1200	320 LA	HEALING R

Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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MATHEMATICS (MTH) Dept. 30 (Cont.)

097A	INTRO ALGEBRA	MTH 039	3	013	T R	1030-1200	320 LA	HEALING P
			3	014	T R	1030-1200	323 LA	LEWIS W
			3	015	M W	1200- 130PM	320 LA	BOTTORFF R
			3	016	M W	1200- 130PM	320 LA	HEALING P
			3	017	M W	1200- 130PM	322 LA	ROSS D
			3	018	T R	1200- 130PM	323 LA	HASTINGS J
			3	019	T R	1200- 130PM	320 LA	LEE A
			3	020	M W	130- 300PM	320 LA	BILA D
			3	021	M W	130- 300PM	320 LA	BOTTORFF R
			3	022	T R	130- 300PM	322 LA	PRICHARD L
			3	023	T R	130- 300PM	323 LA	HASTINGS J
			3	024	M W	130- 300PM	320 LA	BILA D
			3	025	M	530- 830PM	320 LA	HEALING R
			3	026	M	530- 830PM	322 LA	PRICHARD L
			3	027	M	530- 830PM	320 LA	LEWIS W
			3	028	T	530- 830PM	320 LA	BRINGARDNER S
			3	029	T	530- 830PM	320 LA	WELCH E
			3	030	T	530- 830PM	320 LA	MCAD E
			3	031	W	530- 830PM	320 LA	BATELL M
			3	032	W	530- 830PM	322 LA	PRICHARD L
			3	033	R	530- 830PM	320 LA	WELCH E
			3	034	R	530- 830PM	320 LA	MCAD E
			3	054	M	630- 930PM	CHELS	MCGILL J
			3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G
			3	081	R	630- 930PM	YPSI	THOMSON R
			3	089	T	630- 930PM	BRIGHT	STEELE A
			3	090	W	630- 930PM	BRIGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
097B	INTRO ALGEBRA	MTH 097A	3	001	M W	900-1030	320 LA	HEALING R
			3	002	M W	900-1030	320 LA	GOLDBERG D
			3	003	M W	900-1030	322 LA	REMER J
			3	004	T R	900-1030	320 LA	HEALING R
			3	005	T R	900-1030	320 LA	GOLDBERG D
			3	006	T R	900-1030	323 LA	LEWIS W
			3	007	F	900-1200	320 LA	HEALING P
			3	008	S	900-1200	320 LA	LEE A
			3	009	M W	1030-1200	320 LA	HEALING R
			3	010	M W	1030-1200	323 LA	SHOWALTER M
			3	011	M W	1030-1200	322 LA	REMER J
			3	012	T R	1030-1200	320 LA	HEALING R
			3	013	T R	1030-1200	320 LA	HEALING P
			3	014	T R	1030-1200	323 LA	LEWIS W
			3	015	M W	1200- 130PM	320 LA	BOTTORFF R
			3	016	M W	1200- 130PM	320 LA	HEALING P
			3	017	M W	1200- 130PM	322 LA	ROSS D
			3	018	T R	1200- 130PM	323 LA	HASTINGS J
			3	019	T R	1200- 130PM	320 LA	LEE A
			3	020	M W	130- 300PM	320 LA	BILA D
			3	021	M W	130- 300PM	320 LA	BOTTORFF R
			3	022	T R	130- 300PM	322 LA	PRICHARD L
			3	023	T R	130- 300PM	323 LA	HASTINGS J
			3	024	M W	130- 300PM	320 LA	BILA D
			3	025	M	530- 830PM	320 LA	HEALING R
			3	026	M	530- 830PM	322 LA	PRICHARD L
			3	027	M	530- 830PM	320 LA	LEWIS W
			3	028	T	530- 830PM	320 LA	BRINGARDNER S
			3	029	T	530- 830PM	320 LA	WELCH E
			3	030	T	530- 830PM	320 LA	MCAD E
			3	031	W	530- 830PM	320 LA	BATELL M
			3	032	W	530- 830PM	322 LA	PRICHARD L
			3	033	R	530- 830PM	320 LA	WELCH E
			3	034	P	530- 830PM	320 LA	MCAD E
			3	054	W	630- 930PM	CHELS	MCGILL J

Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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MATHEMATICS (MTH) Dept. 30 (Cont.)

097B	INTRO ALGEBRA	MTH 097A	3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G
			3	081	R	630- 930PM	YPSI	THOMSON E
			3	089	T	630- 930PM	BRGHT	STEELE A
			3	090	W	630- 930PM	BRGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
			1-6	001	M W	1200- 300PM	209 SC	MCGILL J
114	SPECIAL NEEDS		1-6	002	T R	1200- 300PM	209 SC	MCGILL J
131	APPLIED ALGEBRA	MTH 039	4	001	M W	1200- 230PM	332 LA	HEALING R
			4	002	T R	700- 930PM	340 LA	LEE A
152	APPLIED GEOM-TRIG	MTH 097 OR 151	4	001	T R	1200- 200PM	340 LA	ROSS D
			4	002	M W	700- 900PM	334 LA	BLETCHER T
160	BASIC STATISTICS	MTH 097	4	001	M W	500- 700PM	340 LA	MOY W
163	BUSINESS MATH	MTH 039	3	001	M W	900-1030	323 LA	HASTINGS J
			3	002	T R	900-1030	323 LA	SHOWALTER M
			3	003	F	900-1200	320 LA	
			3	004	M W	1030-1200	323 LA	HASTINGS J
			3	005	T R	1030-1200	323 LA	SHOWALTER M
			3	006	M W	1200- 130PM	323 LA	HASTINGS J
			3	007	T R	1200- 130PM	323 LA	REHEN J
			3	008	M W	130- 300PM	322 LA	ROSS D
			3	009	M	530- 830PM	323 LA	WIRBEL J
			3	010	T	530- 830PM	322 LA	MCGILL J
			3	011	W	530- 830PM	323 LA	WIRBEL J
			3	012	R	530- 830PM	323 LA	
			3	054	W	630- 930PM	CHELS	MCGILL J
			3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G
			3	081	R	630- 930PM	YPSI	THOMSON E
			3	089	T	630- 930PM	BRGHT	STEELE A
			3	090	W	630- 930PM	BRGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
165	HEALTH SCIENCE MATH	MTH 039	3	001	M W	900-1030	323 LA	HASTINGS J
			3	002	T R	900-1030	323 LA	SHOWALTER M
			3	003	F	900-1200	320 LA	
			3	004	M W	1030-1200	323 LA	HASTINGS J
			3	005	T R	1030-1200	323 LA	SHOWALTER M
			3	006	M W	1200- 130PM	323 LA	HASTINGS J
			3	007	T R	1200- 130PM	323 LA	REHEN J
			3	008	M W	130- 300PM	322 LA	ROSS D
			3	009	M	530- 830PM	323 LA	WIRBEL J
			3	010	T	530- 830PM	322 LA	MCGILL J
			3	011	W	530- 830PM	323 LA	WIRBEL J
			3	012	R	530- 830PM	323 LA	
			4	001	T R	900-1100	342 LA	BATELL M
			4	002	M W	100- 300PM	340 LA	LEWIS W
			4	003	T R	100- 300PM	205 SC	BCTTORFF R
			4	004	M W	700- 900PM	224 TI	SNEDECOR P
169A	INTERMEDIATE ALG	MTH 097	3	001	M W	900-1030	320 LA	HEALING P
			3	002	T R	900-1030	320 LA	
			3	003	F	900-1200	320 LA	LEWIS W
			3	004	S	900-1200	323 LA	MCGILL J
			3	005	M W	1030-1200	320 LA	HEALING P
			3	006	T R	1030-1200	320 LA	BCTTORFF R
			3	007	M W	1200- 130PM	320 LA	BILA D
			3	008	T R	1200- 130PM	320 LA	BILA D
			3	009	M W	130- 300PM	323 LA	BATELL M
			3	010	M	530- 830PM	320 LA	GLOBERG D
			3	011	T	530- 830PM	323 LA	THOMSON E
			3	012	W	530- 830PM	323 LA	
			3	054	W	630- 930PM	CHELS	MCGILL J
			3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G

Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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MATHEMATICS (MTH) Dept. 30 (Cont.)

169A	INTERMEDIATE ALG	MTH 097	3	081	R	630- 930PM	YPSI	THOMSON B
			3	089	T	630- 930PM	BRGHT	STEELE A
			3	090	W	630- 930PM	BRGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
169B	INTERMEDIATE ALG	MTH 169A	3	001	M W	900-1030	320 LA	HEALING P
			3	002	T R	900-1030	320 LA	
			3	003	F	900-1200	320 LA	LEWIS W
			3	004	S	900-1200	323 LA	MCGILL J
			3	005	M W	1030-1200	320 LA	HEALING P
			3	006	T R	1030-1200	320 LA	BCTTORFF R
			3	007	M W	1200- 130PM	320 LA	BILA D
			3	008	T R	1200- 130PM	320 LA	BILA D
			3	009	M W	130- 300PM	323 LA	BATELL M
			3	010	M	530- 830PM	320 LA	GOLDBERG D
			3	011	T	530- 830PM	323 LA	THOMSON B
			3	012	W	530- 830PM	323 LA	
			3	054	W	630- 930PM	CHELS	MCGILL J
			3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G
			3	081	R	630- 930PM	YPSI	THOMSON B
			3	089	T	630- 930PM	BRGHT	STEELE A
			3	090	W	630- 930PM	BRGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
177	TRIANGLE TRIG	MTH 097	3	001	M W	900-1030	320 LA	HEALING P
			3	002	T R	900-1030	320 LA	
			3	003	F	900-1200	320 LA	LEWIS W
			3	004	S	900-1200	323 LA	MCGILL J
			3	005	M W	1030-1200	320 LA	HEALING P
			3	006	T R	1030-1200	320 LA	BCTTORFF R
			3	007	M W	1200- 130PM	320 LA	BILA D
			3	008	T R	1200- 130PM	320 LA	BILA D
			3	009	M W	130- 300PM	323 LA	BATELL M
			3	010	M	530- 830PM	320 LA	GOLDBERG D
			3	011	T	530- 830PM	323 LA	THOMSON B
			3	012	W	530- 830PM	323 LA	
			3	054	W	630- 930PM	CHELS	MCGILL J
			3	055	R	630- 930PM	CHELS	SMITH K
			3	062	T	630- 930PM	DEXTR	SMITH G
			3	081	R	630- 930PM	YPSI	THOMSON B
			3	089	T	630- 930PM	BRGHT	STEELE A
			3	090	W	630- 930PM	BRGHT	STEELE A
			3	093	M	630- 930PM	SALNE	SMITH K
			3	094	W	630- 930PM	SALNE	SMITH G
178	GENERAL TRIG	MTH 169	3	001	M W	830-1000	340 LA	BRINGARDNER S
			3	002	T R	1100-1230PM	334 LA	PRICHARD L
			3	003	T R	530- 700PM	342 LA	TEICHERT H
			3	004	M W	730- 900PM	332 LA	
179	PRECALCULUS	MTH 169	4	001	T R	1000-1200	340 LA	ROSS D
			4	002	M W	100- 300PM	210 SC	PRICHARD L
			4	003	T R	130- 330PM	334 LA	BILA D
			4	004	M W	500- 700PM	334 LA	
			4	005	T R	700- 900PM	334 LA	KAUFFMAN J
181	MATH ANALYSIS I	MATH 159	4	001	M W	200- 400PM	342 LA	GOLDBERG D
182	MATH ANALYSIS II	MTH 169 AND 1670	4	001	T R	530- 730PM	242 LA	BCTTORFF R
191	CALCULUS I	MTH 178-179	5	001	M W	900-1130	332 LA	BCTTORFF R
			5	002	T R	900-1130	332 LA	HASTINGS J
			5	003	T R	1230- 300PM	332 LA	LEWIS W
			5	004	M W	500- 730PM	332 LA	BILA D
			5	005	T R	530- 800PM	332 LA	GRODMAN H
			5	006	M W	630- 900PM	342 LA	
192	CALCULUS II	MTH 191	4	001	T R	900-1100	334 LA	PALAY R
			4	002	M W	1100- 100PM	334 LA	BATELL M
			4	003	T R	730- 930PM	224 TI	

Individualized instruction for all sections of Math 039, 090, 097A, 097B, 163, 165, 169A, 169B, 177

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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MATHEMATICS (MTH) Dept. 30 (Cont.)

197	LINEAR ALGEBRA	MTH 191	4	001	T R	100- 300PM	342 LA	BATELL M TEICHERT H BATELL M
			4	002	M W	500- 700PM	224 TI	
293	CALCULUS 111	MTH 192	4	001	T R	1100- 100PM	342 LA	
			4	002	T R	700- 900PM	342 LA	
295	DIFFERENTIAL EQUATI	MTH 192	4	001	M W	900-1100	334 LA	
			4	002	T R	500- 700PM	340 LA	

MECHANICAL TECHNOLOGY (MT) Dept. 68

100	MACHINE SHOP THEORY		3	001	T	1200- 300PM	113 OE	LOWE B
			3	002	R	530- 830PM	113 OE	LOWE B
101	MILLWRIGHT THEORY		2	001	M	430- 730PM		PIANOWSKI J
103	INTRO TO MATERIALS		3	001	M	900-1200	118 TI	NEWTON T
			3	002	M	600- 900PM	118 TI	NEWTON T
111	MACH SHOP THER&PRAC		4	001	T R	800-1100	118 TI	AVERY C
			4	002	T R	600- 900PM	118 TI	FINNEY D
			4	003	S	900- 300PM	118 TI	LCHE B
			4	004	T R	1230- 330PM	118 TI	AVERY C
122	MACH TOOL OP SET UP	111 OR CONSENT	4	001	M	800-1100	107 TI	AVERY D
			4	002	W	800-1100	118 TI	
			4	003	M W	600- 900PM	106 TI	AVERY D
			4	004	F	600- 900PM	118 TI	
			4	003	M W	230- 330PM	118 TI	AVERY D
123	MACH TOOL OP SET UP		4	001	F	900- 300PM	118 TI	LCHE B
			4	002	M W	600- 900PM	118 TI	LCHE B
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	AVERY D
201	MACHINE TOOL TECH	122	4	001	F	900- 300PM	118 TI	AVERY D
			4	002	M W	600- 900PM	118 TI	LOWE B
								AVERY D

MUSIC (MUS) Dept. 20

102	MCC STRING ENSEMBLE	AUDITION	2	001	T R	700- 800PM	109 AC	LAWRENCE M
103	STAGE BAND: ENSEMBL	AUDITION	1	001	T R	1100-1230PM	109 AC	LAWRENCE M
106	JAZZ COMBO		1	001	T R	1000-1100	109 AC	SHAIN D
			1	002	M	400- 600PM	109 AC	MORDEN M
			1	003	S	1000-1200	109 AC	LAWRENCE M
109	BRASS ENSEMBLE		2	001	R	330- 530PM	100 AC	MORDEN M
136	GOSPEL CHORUS		1	001	M F	1200- 100PM	100 AC	MILLER M
140	BASIC MUSICIANSHIP		3	001	T R	1230- 200PM	100 AC	LARKINS C
143	COMP: THEORY&ARRANG		2	001	T R	900-1000	111 AC	SHAIN D
146	SONGWRITING		3	001	T R	200- 330PM	109 AC	LAWRENCE M
			3	002	S	900-1200	111 AC	LAWRENCE J
147	ENTERTAINMENT LAW		2	001	W	800-1000PM	100 AC	NORTHCROSS M
149	SIGHT-SING/EAR TRAIN		2	001	M W	1200- 100PM	111 AC	SHAIN D
152	MUSIC THEORY I		3	001	R	700-1000PM	111 AC	LOYD C
157	JAZZ IMPROVISATION		2	001	M F	200- 300PM	100 AC	MORDEN M
170	AUDIO RECORDING TECH		3	001	M	600- 900PM	111 AC	MARTENS R
180	MUSIC APPRECIATION		3	001	M W F	200- 300PM	109 AC	LAWRENCE M
			3	002	T	700-1300PM	100 AC	LARKINS C
			3	055	W	700-1000PM	CHELS	
			3	060	T	1000- 100PM	BRIAR	
183	AFRO-AMER MUS CULT		3	001	M W F	1100-1200	109 AC	LAWRENCE M
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	LAWRENCE M
204	VOICE		2	001	T R	1100-1200	100 AC	FCLK M

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
MUSIC (MUS)				Dept. 20 (Cont.)				
206	VOCAL PERFORMANCE		1	001	T	1200- 100PM	100 AC	REED H
210	FUNCTIONAL PIANO		2	001	R	700- 900PM	100 AC	PHIBBS K
213	INTERMEDIATE PIANO		2	001	M	700-1000PM	100 AC	PHIBBS K
216	PIANO: JAZZ&BLUES		2	001	W F	1200- 100PM	100 AC	REED H
225	BEGINNING JAZZ DRUM		2	001	W	230- 430PM	100 AC	
233	BEGINNING GUITAR		2	001	W	600- 800PM	100 AC	KANE S
			2	002	M	900-1100	100 AC	KANE S
236	INTERMEDIATE GUITAR		2	001	W	800-1000PM	111 AC	KANE S
239	JAZZ GUITAR		2	001	M	600- 800PM	111 AC	LAWRENCE J
			2	002	W	600- 800PM	111 AC	LAWRENCE J
242	BASS GUITAR		2	001	M	800-1000PM	111 AC	LAWRENCE J
249	INTRO JAZZ FLUTE		2	001	M W	1000-1100	109 AC	LOYD C
250	BEGINNING FLUTE SAX		2	001	T R	900-1000	109 AC	LOYD C
270	APPLIED VIOLIN		2	001	T	500- 700PM	109 AC	KAUFFMAN D

NUMERICAL CONTROL (NC) Dept. 66

100	INTRO TO NUM CONT		3	001	T	900-1200	114 TI	DICK R
			3	002	T	100- 400PM	114 TI	DONAHEY J
			3	003	T	600- 900PM	107 TI	DICK R
111	MFG PROC NUM CONTR		4	001	M	600-1000PM	107 TI	FLESZAF C
121	MAN PROG-NC TOOL OP	NC100,MT111,MTH	3	001	W	900- 100PM	114 TI	DICK R
			3	002	W	600-1000PM	107 TI	DICK R
122	AD MAN PROG/TOOL OP	NC121,MTH152	3	001	R	900- 100PM	114 TI	DICK R
			3	002	R	600-1000PM	114 TI	DICK R
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	DICK R
213	COMPACT 11 COM PROG	NC 121,122	4	001	M	900- 100PM	114 TI	DICK R
			4	002	M	600-1000PM	114 TI	DIAMOND L
225	NUM CONTRL GRAPHICS	NC 213	3	001	T	600-1000PM	114 TI	DONAHEY J
227	NC COORDINATE MEAS		3	001	W	600- 900PM		LAU W

NURSING (NUR) Dept. 57

039	STATE BOARD PREP	CONSENT	1	001	M	500- 800PM	181 OE	VANDERVEEN J
100	NURSING FUNDAMENTAL		5	001	* * * TO	BE ARRANGED	* * *	VANDERVEEN J
			5	002	* * * TO	BE ARRANGED	* * *	GCOOKIN B
110	CLINICAL PRACTICE		1	001	* * * TO	BE ARRANGED	* * *	GCOOKIN B
111	PHARMACOLOGY 1		1	001	M	100- 200PM	170 OE	GCOOKIN B
					W	1100-1200	181 OE	
118	PERS & COMM HEALTH		1	001	T	300- 400PM	170 OE	GCOOKIN B
144	PHARM FOR NURSES	LPN,RN,GPN,GN D	5	001	T R	630- 900PM	170 OE	GILBERT C
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	GCOOKIN B
			1-8	002	* * * TO	BE ARRANGED	* * *	KNOLL G
			1-8	003	* * * TO	BE ARRANGED	* * *	VANDERVEEN J
200	NUR ROLE TRANSITION	LEVEL II ADMIT	4	001	M	900-1100	181 OE	KNOLL G
					T	1100-1200	181 OE	
					W	800-1100	170 OE	
230	ADV PAR/CHLD NUR PR	COREQ NUR 235	2	001	* * * TO	BE ARRANGED	* * *	KNOLL G
			2	002	* * * TO	BE ARRANGED	* * *	KNOLL G
235	ADV PARNT CHILD NUR	NUR 200	3	001	MTW	1200- 200PM	181 OE	KNOLL G
			3	002	MTW	1200- 200PM	181 OE	KNOLL G
240	COMPL MED SURG PRAC	COREQ NUR 245	3	001	* * * TO	BE ARRANGED	* * *	VANDERVEEN J
			3	002	* * * TO	BE ARRANGED	* * *	VANDERVEEN J
245	COMPL MED SURG THRY		3	001	M	1200- 200PM	160 OE	VANDERVEEN J
					T	1200- 200PM	168 OE	
					W	900-1100	160 OE	
			3	002	M	1200- 200PM	160 OE	VANDERVEEN J
					T	1200- 200PM	168 OE	
					W	900-1100	160 OE	
260	NUR MGT & TRENDS	NUR 200	2	001	M	215- 415PM	181 OE	KNOLL G

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor

PHARMACY TECHNOLOGY (PHT) Dept. 58

104	PHARMACY EXP		8	001	* * *	TO BE ARRANGED	* * *	
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PHILOSOPHY (PHL) Dept. 14

101	INTRO TO PHILOSOPHY		3	001	M W F	1000-1100	311 SC	THOMAS E
			3	002	M W F	1100-1200	205 SC	THOMAS E
			3	003	T R	930-1100	205 SC	KIBENS M
			3	004	T R	1100-1230PM	206 SC	KIBENS M
			3	005	M W	1200- 130PM	242 LA	KIBENS M
			3	006	W	700-1000PM	305 SC	THOMAS E
189	STUDY PROBLEMS	CONSENT	1-8	001	* * *	TO BE ARRANGED	* * *	KIBENS M
			1-8	002	* * *	TO BE ARRANGED	* * *	THOMAS E
250	LOGIC		3	001	M W	130- 300PM	242 LA	KIBENS M
			3	002	W	630- 930PM	207 SC	KIBENS M

PHOTOGRAPHY (PHO) Dept. 72

090	GENERAL PHOTO		2	055	T	700-1000PM	CHELS	
			2	060	R	1000- 100PM	BRIAR	JOHNSON R
			2	081	W	700-1000PM	YPSI	KELLMAN T
			2	089	R	700-1000PM	BRIGHT	
101	PHOTO & ENVIRONMENT		3	001	W	900- 100PM	101 OE	STEINBACH R
111	PHOTOGRAPHY		4	001	M	100- 30CPM	101 OE	
					W	100- 50CPM	101 OE	
			4	002	T	800-1200	101 OE	STEINBACH R
					R	1000-1200	101 OE	
			4	003	T	100- 50CPM	101 OE	STEINBACH R
					R	100- 30CPM	101 OE	
			4	004	M	600- 800PM	101 OE	SHIELDS M
					W	600-1000PM	107 OE	
114	BASIC COLOR PHOTO	111	3	001	F	830-123CPM	101 OE	STEINBACH R
			3	002	T	600-1000PM	101 OE	FORSHEE P
115	PHOTO RETOUCHING	PHO 111	2	002	F	600- 90CPM	108 OE	TALBOT D
199	ON JOB TRAINING	CONSENT	1-6	001	* * *	TO BE ARRANGED	* * *	STEINBACH R
220	ADVANCED STUDIO	113	3	001	W	800-1200	107 OE	RUSSELL C
			3	002	R	600-1000PM	107 OE	
221	ADV DARKROOM TECH	113	3	001	M	800-1200	107 OE	REYNARD E
					R	900-1200	107 OE	
			3	002	M	600-1000PM	107 OE	
					F	600- 90CPM	107 OE	
222	ADV COLOR PHOTO	114	3	001	S	900- 300PM	101 OE	WILSON J
223	PHOTO OCCUPATIONS		2	001	W	600-1000PM	101 OE	
230	SPECIALIZED STUDY	CONSENT	2-5	001	* * *	TO BE ARRANGED	* * *	STEINBACH R

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
PHYSICAL EDUCATION ACTIVITIES (PEA) Dept. 29								
105	NAUTILUS WGMT TRAIN		2	001	T R	1000-1100	136 LA	SLEPSKY L
			2	002	T R	1100-1200	136 LA	SLEPSKY L
			2	003	T R	1200- 100PM	136 LA	SLEPSKY L
			2	004	T R	100- 200PM	136 LA	SLEPSKY L
	CLASSES ARE HELD AT: ANN ARBOR COURT CLUB 2875 Broadwalk, Ann Arbor							
	YOGA IS LISTED UNDER ANTHROPOLOGY							

PHYSICS (PHY) Dept. 35

105	INTRO TO PHYSICS NOTE: 3 hours of lab are required with this course	MTH 090/097	4	001	M W F	900-1000	238 LA	HINDS D
110	APPLIED PHYSICS	MTH 090	4	001	T R	900-1200	203 LA	KAPP G
111	GENERAL PHYSICS	MTH 097 169 177	4	001	M W F	1000-1100	L2 LA	HINDS D
			4	002	M W F	1000-1100	L2 LA	HINDS D
			4	003	T R	530- 700PM	238 LA	HINDS D
					R	700-1000PM	211 LA	
	NOTE: 3 hours of lab are required with this course							
131	PHYSICS FOR RTH NOTE: 2 hours of lab are required with this course	MTH 090	3	001	M W	1200- 100PM	238 LA	FCX H
141	RADIOLOGIC PHYSICS NOTE: 2 hours of lab are required with this course Radiography Students only	MTH 165	3	001	R	900-1100	238 LA	HINDS D
211	ANALYTICAL PHYSICS	PHY 105 MTH 191	5	001	M W F	900-1100 900-1200	203 LA 203 LA	KAPP G
			5	002	M W R	700- 900PM 700-1000PM	203 LA 203 LA	KAPP G
Physics Lab hours are 9:00 a.m. to 3:00 p.m., Monday - Thursday								

POLITICAL SCIENCE (PLS) Dept. 05

108	GOV AND SOCIETY		3	001	M W F	800- 900	110 SC	GLUSAC I
			3	002	M W F	900-1000	110 SC	GLUSAC I
			3	003	M W F	1000-1100	110 SC	GLUSAC I
			3	004	M W F	1100-1200	110 SC	AMARU A
			3	005	M W F	1200- 100PM	110 SC	AMARU A
			3	006	M W	100- 230PM	110 SC	GLUSAC I
			3	007	M W	530- 700PM	110 SC	GLUSAC I
			3	008	W	700-1000PM	110 SC	AMARU A
			3	009	T R	800- 930	110 SC	SUSNICK S
			3	010	T R	930-1100	110 SC	GLUSAC I
			3	011	T R	1230- 200PM	110 SC	AMARU A
			3	012	T R	530- 700PM	107 SC	SUSNICK S
			3	013	T	700-1000PM	210 SC	PLUMMER R
			3	014	R	700-1000PM	110 SC	GLUSAC I
			3	015	S	900-1200	110 SC	HOLLAND R
			3	016	M	700-1000PM	107 SC	SUSNICK S
			3	081	W	700-1000PM	YPSI	
112	INTRO AMER GOV		3	001	M W F	1000-1100	107 SC	AMARU A
			3	002	T R	1100-1230PM	110 SC	AMARU A
150	STATE AND LOCAL GOV		3	001	M W F	900-1000	107 SC	MILLER L
			3	002	M W F	1100-1200	210 SC	MILLER L
			3	003	M W F	1200- 100PM	102 SC	MILLER L
			3	004	M	700-1000PM	110 SC	MILLER L
			3	005	T R	930-1100	206 SC	MILLER L
			3	006	T	700-1000PM	110 SC	AMARU A
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	MILLER L

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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PSYCHOLOGY (PSY) Dept. 08

100	INTRO PSYCHOLOGY		3	001	M W F	800- 900	130Z LA	CAMPBELL B
			3	002	M W F	900-1000	130Z LA	CAMPBELL B
			3	003	M W F	1000-1100	215 SC	MOY W
			3	004	M W F	1000-1100	130Z LA	MARTIN H
			3	005	M W F	1100-1200	215 SC	MOY W
			3	006	M W F	1200- 100PM	130Z LA	CAMPBELL B
			3	007	M W	100- 230PM	130Z LA	MARTIN H
			3	008	T R	930-1100	130Z LA	CAMPBELL B
			3	009	T R	930-1100	215 SC	KOLLEN M
			3	010	T R	1100-1230PM	215 SC	KOLLEN M
			3	011	T R	1230- 200PM	215 SC	MOY W
			3	012	M	600- 900PM	210 SC	MARTIN H
			3	013	T	600- 900PM	215 SC	MARTIN H
			3	014	W	400- 700PM	215 SC	ZAREMBA E
			3	015	R	600- 900PM	215 SC	ZAREMBA E
			3	016	S	900-1200	215 SC	ZAREMBA E
			3	017	M W	200- 330PM	215 SC	ZAREMBA E
			3	018	T R	200- 330PM	215 SC	KOLLEN M
			3	050	* * * TO BE ARRANGED		* * *	MARTIN H

NOTE:
Section 050 is a TV course
using the program series
"Understanding Human Behavior"

136	PSYCH OF AGING		3	089	T	600- 900PM	BRIGHT	KOLLEN M
107	BLACK PSYCHOLOGY		2	001	M W	300- 400PM	113 SC	MARTIN L
			3	001	M W F	1000-1100	342 LA	ROBERTS A
109	PSY MIDLIFE CAREERS		3	002	T R	1100-1230PM	101 FE	ROBERTS A
114	LEARNING TO LEARN		2	001	M	700- 900PM	113 SC	PLUMMER R
			3	001	M W	1200- 130PM	215 SC	ZAREMBA E
130	BASIC ALCOHOLISM		3	055	T	600- 900PM	CHELS	ZAREMBA E
150	INDUSTRIAL PSYCH		3	001	W	600- 900PM	307 SC	ENGLISH M
			3	001	M W F	900-1000	215 SC	MARTIN H
			3	002	T R	130- 300PM	113 SC	FCRD A
			3	003	W	700-1000PM	215 SC	FCRD A
160	COPING WITH STRESS		3	001	T	530- 830PM	110 FE	WHITEFORD P
170	HI-TEC: IMPACT/PERS		3	001	M W F	1200- 100PM	342 LA	ROBERTS A
189	STUDY PROBLEMS	CONSENT	1-6	001	* * * TO BE ARRANGED		* * *	KOLLEN M
			1-6	002	* * * TO BE ARRANGED		* * *	MARTIN H
200	CHILD PSYCHOLOGY		3	001	M W F	1100-1200	342 LA	ROBERTS A
			3	002	T R	930-1100	101 FE	ROBERTS A
			3	003	W	600- 900PM	113 SC	ROBERTS A
209	PSYCH OF ADJUSTMENT		3	001	M W F	1100-1200	113 SC	MARTIN H
			3	002	T R	1100-1230PM	130Z LA	MOY W
222	LOSSES & GRIEVING		3	001	W	600- 900PM	140B SC	HUTCHINSON D
257	ABNORMAL PSYCHOLOGY		3	001	M W F	1100-1200	130Z LA	CAMPBELL B
			3	002	T R	800- 930	130Z LA	CAMPBELL B
			3	003	M	530- 830PM	215 SC	KOLLEN M

QUALITY CONTROL (QC) Dept. 70

101	PROCESS QUAL CONT		3	001	W	600- 900PM	167 OE	
122	SAMP QUALITY CONT	MTH 169	3	001	R	600- 900PM	167 OE	KALAKAILD P
199	ON THE JOB TRAINING	CONSENT	1-6	001	* * * TO BE ARRANGED		* * *	PIERCE L
225	QUALITY CONTROL MGT		3	001	T	600- 900PM	167 OE	BROWN R

First half semester classes begin 9/3 end 10/25
Second half semester classes begin 10/28 and 12/19

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
RADIOGRAPHY (RAD) Dept. 53								
110	CLINICAL EDUCATION		1	001	* * * TO	BE ARRANGED	* * *	NELSON R
111	FUND OF RADIOGRAPHY		2	001	W F	1000-1200	180 DE	BAKER G
112	RADIOGRAPH POSITION		2	001	M	800-1100	180 DE	NELSON R
			2	002	M	100- 400PM	180 DE	NELSON R
			2	003	W	100- 400PM	180 DE	NELSON R
113	RADIOGRAPHIC PROC		2	001	W F	1000-1200	180 DE	BAKER G
139	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	NELSON R
215	RADIOGRAPH OF SKULL		2	001	T	100- 400PM	180 DE	BAKER G
			2	002	R	1200- 300PM	180 DE	BAKER G
217	CLINICAL EDUCATION		3	001	* * * TO	BE ARRANGED	* * *	NELSON R
218	RADIATION BIOLOGY		2	001	T	900- 100PM	180 DE	BAKER G
219	RADIATION PROTECTION		2	001	T	900- 100PM	180 DE	BAKER G

READING (RDG) Dept. 25

040	READING		3	001	W F	900-1030	305 SC	
NOTE: Students registering for RDG 040, Sec. 001 must also register for ENG 010, Sec. 065								
			3	002	T R	900-1030	305 SC	WARNER E
			3	003	M W	1030-1200	305 SC	BUATTI C
			3	004	M W	600- 730PM	305 SC	FARNELL A
			3	005	T R	1030-1200	305 SC	WARNER E
			3	006	M W	1200- 130PM	305 SC	BUATTI C
			3	007	T R	400- 530PM	305 SC	FARNELL A
			3	008	T R	600- 730PM	305 SC	WEISS J
100	VOCAB & SPELL POWER		2	001	R	530- 830PM	307 SC	
NOTE: 25-100-001 Meets 7 weeks, 10/28 to 12/18								
103	STUDY SKILLS		3	001	T R	100- 230PM	307 SC	BAILEY J
			3	002	T R	1030-1200	307 SC	NAGEL R
			3	003	M	600- 900PM	307 SC	MCKAY S
			3	004	M W	1030-1200	312 SC	NAGEL R
104	STUDY SKILLS		2	001	R	1230- 330PM	305 SC	
NOTE: 25-104-001 Meets 7 weeks, 9/3/ to 10/25								
105	VOC & SPELL POWER		3	001	M W	100- 230PM	307 SC	NAGEL R
			3	002	W F	1030-1200	307 SC	
106	SPEED READING		2	001	R	1230- 330PM	305 SC	
NOTE: 25-106-001 Meets 7 weeks, 10/28 to 12/18								
			2	002	R	530- 830PM	307 SC	
NOTE: 25-106-002 Meets 7 weeks, 9/3 to 10/25								
107	SPEED READING		3	001	M W	900-1030	307 SC	NAGEL R
			3	002	T R	900-1030	307 SC	NAGEL R
			3	003	T	600- 900PM	307 SC	BAILEY J
			3	004	W	900-1200	307 SC	FAIRBANKS C
115	MEDICAL TERMINOLOGY		2	001	M	1000-1200	361 SC	MARTIN L
			2	002	T	1000-1200	361 SC	MARTIN L
			2	003	T	100- 300PM	361 SC	MARTIN L
			2	004	W	1000-1200	361 SC	MARTIN L
			2	005	W	100- 300PM	361 SC	MARTIN L
			2	006	W	500- 700PM	361 SC	MARTIN L
NOTE: All students registered for RDG 115 - Medical Terminology MUST ATTEND ONE OF THESE ORIENTATION SESSIONS Wednesday, September 4 10:00 - 11:00 a.m. Lecture Hall 3 OR Wednesday, September 4 6:00 - 7:00 p.m. Lecture Hall 3								
139	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	NAGEL R
			1-8	002	* * * TO	BE ARRANGED	* * *	

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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RE **REAL ESTATE (RE)** Dept. 48

100	REAL ESTATE PRINCIP		3	001	T R	530- 700PM	108 SC	SCHUCKAL R
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REFRIGERATION & AIR CONDITIONING (RAC) Dept. 82

122	REFRIGERATION 11	111 AND CONSENT	5	001	M W	530- 800PM	126 TI	HANSEN J
123	RAC SYSTEMS	111 124 & CONSENT	5	001	T R	800-1100PM	126 TI	LAWRENCE D
199	ON THE JOB TRAINING	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	
214	CONTROL SYSTEMS	124 AND CONSENT	5	001	T R	530- 800PM	126 TI	EBERLE G

RESPIRATORY THERAPY (RTH) Dept. 54

106	CHEMISTRY FOR RTH	CEM 057 & 058	3	001	M W F	900-1000	176 OE	REDICK M
121	BASIC EQUIP & PROC	ADM TO PRDG	4	001	T R	900-1000	176 OE	REDICK M
					T	100- 300PM	176 OE	
			4	002	T R	900-1000	176 OE	REDICK M
					R	100- 300PM	176 OE	
			4	003	T R	900-1000	176 OE	REDICK M
					R	1000-1200	176 OE	
148	PHARM FOR RESP THER		2	001	M	800-1000	162 OE	CONLON P
189	STUDY PROBLEMS	CONSENT	1-6	001	* * * TO	BE ARRANGED	* * *	REDICK M
198	GEN CLINIC PRACT I		3	001	* * * TO	BE ARRANGED	* * *	HAMMOND C
199	GEN CLINICAL PRACT II		3	001	* * * TO	BE ARRANGED	* * *	HAMMOND C
200	ADV CLINICAL PRACT	SEE CATALOG	4	001	* * * TO	BE ARRANGED	* * *	HAMMOND C
201	SPEC CLINIC PRACT		2	001	* * * TO	BE ARRANGED	* * *	REDICK M
202	PEDIATRIC CLINIC PR		2	001	* * * TO	BE ARRANGED	* * *	HAMMOND C
212	VENTILATORS		3	001	M F	900-1100	176 OE	HAMMOND C
213	INTENS & REHAB CARE		4	001	M W F	1100-1200	176 OE	REDICK M
214	CARDIO DIAGNOSTICS	BIO 111 & 112	3	001	W F	1200- 130PM	160 OE	TURNER R
217	SEM RESP THERAPY		2	001	W	1100- 10CPM	176 OE	HAMMOND C
219	PEDIATRICS RESP		3	001	M W F	1000-1100	176 OE	KOTAJARVI C

RUSSIAN (See General Studies)

SECRETARIAL & OFFICE (SO) Dept. 49

101	TYPEWRITING		3	001	MTWR	900-1000	125 LA	
			3	002	MTWR	1000-1100	125 LA	
			3	003	MTWR	1100-1200	105 LA	CHARLTON E
			3	004	MTWR	1200- 100PM	105 LA	CHARLTON E
			3	005	M W	800- 945PM	105 LA	
			3	006	T R	600- 800PM	105 LA	
			3	055	T	600-1000PM	CHELS	
			3	089	W	600-1000PM	BRGHT	
102	TYPEWRITING		3	001	M W	900-1100	105 LA	JUSTER M
			3	002	M W	100- 300PM	125 LA	JUSTER M
			3	003	T R	730- 930PM	125 LA	
107	CLERICAL METH/PROC	SO 102 OR EQUI	4	001	T R	730- 930PM	107 LA	
			4	055	R	600-1000PM	CHELS	
			4	089	R	600-1000PM	BRGHT	

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
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SECRETARIAL & OFFICE (SO) ... Dept. 49 (Cont.)

130	BUSINESS MACHINES	MTH 090	3	001	M W	930-1100	123 LA	BURCH W
			3	002	T R	930-1100	123 LA	BURCH W
			3	003	M W	130- 300PM	123 LA	CHARLTON E
			3	004	M W	530- 700PM	123 LA	
151	WORD PROCESS PRIN		3	001	M W	930-1100	114 LA	CHARLTON E
			3	002	T R	930-1100	114 LA	CHARLTON E
			3	003	T R	100- 230PM	114 LA	BURCH W
			3	004	M	600- 900PM	114 LA	
			3	005	T R	530- 700PM	114 LA	
			3	006	W	600- 900PM	114 LA	
152	IP TRANSCRIP SKILLS	SO 102	3	001	T R	900-1100	107 LA	JUSTER M
153	WORD PROC AP/BSC PRT	SO 101	2	*001	M W	900-1100	116 LA	PATT J
			2	*002	T R	130- 330PM	116 LA	CHARLTON E
			2	*003	T R	530- 730PM	116 LA	
			2	*004	M W	900-1100	116 LA	PATT J
			2	*005	T R	130- 330PM	116 LA	CHARLTON E
			2	*006	T R	530- 730PM	116 LA	
200	INDEPEND DIR STUDY	CONSENT	1	001	* * * TO BE ARRANGED			* * *
203	TYPEWRITING		3	001	M W	100- 300PM	105 LA	PATT J
			3	002	T R	800- 945PM	105 LA	
210	MEDICAL TRANSCRIPT	SO 102	3	001	F	900- 100PM	105 LA	MAYO K
214	W P/ADV PRACT	SO 151 153&102	3	001	T R	1100- 100PM	116 LA	PATT J
			3	002	M W	100- 300PM	116 LA	BURCH W
			3	003	W	530- 930PM	116 LA	PATT J
225	W P SYS & PROCEDURE	SO 151 153&214	3	001	T R	900-1100	116 LA	PATT J
231	ADV SHORTHAND		3	001	MTWR	1100-1200	123 LA	JUSTER M
			3	002	T R	530- 730PM		
250	OFFICE SYS AND PROC	SO 203/EQUIV	4	001	T R	100- 300PM	125 LA	JUSTER M

* Sections 001,002,003 meet first 7 weeks
** Sections 004,005,006 meet second 7 weeks

SOCIOLOGY (SOC) Dept. 09

100	PRIN OF SOCIOLOGY		3	001	M W F	900-1000	111 SC	BYLSMA D
			3	002	M W F	1100-1200	111 SC	BYLSMA D
			3	003	M	600- 900PM	111 SC	THOMAS E
			3	004	T R	930-1100	111 SC	BYLSMA D
			3	005	T R	1100-1230PM	111 SC	THOMPSON D
			3	006	T R	1230- 200PM	111 SC	THOMPSON D
			3	007	W	330- 630PM	111 SC	THOMPSON D
			3	008	R	600- 900PM	111 SC	THOMPSON D
			3	050	* * * TO BE ARRANGED			* * *

NOTE:
Section 050 is a TV course
using the program series
"Focus on Society"

150	MARRIAGE AND FAMILY		3	055	M	700-1000PM	CHELS	
			3	001	M W F	1200- 100PM	111 SC	BYLSMA D
			3	002	T R	930-1100	113 SC	THOMPSON D
201	MEDICAL SOCIOLOGY		3	001	T	600- 900PM	111 SC	THOMPSON D
202	CRIMINOLOGY		3	001	M W F	1000-1100	111 SC	BYLSMA D
205	RACE & ETHNIC RELAT		3	001	M W	130- 230PM	111 SC	THOMAS E
207	SOCIAL PROBLEMS		3	001	W	630- 930PM	111 SC	THOMPSON D
250	JUVENILE DELINQNCY		3	001	T R	1100-1230PM	113 SC	BYLSMA D

Meets with CJ 223, Section 002

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
SPANISH (SPN)				Dept. 21				
111	FIRST YEAR SPANISH	COREQ: SPN 112	4	001	M W	1000-1200	105 SC	BIEDERMAN R
			4	002	T R	1100- 100PM	105 SC	BIEDERMAN R
			4	003	T R	600- 800PM	311 SC	BIEDERMAN R
112	SPANISH LAB I	COREQ: SPN 111	1	001	T	100- 300PM	202 SC	BIEDERMAN R
			1	002	W	600- 800PM	202 SC	BIEDERMAN R
119	SPN LANG ADVENTURES		1	001	* * * TO	BE ARRANGED	* * *	BIEDERMAN R
120	BEG CONV SPANISH		2	001	W	600- 800PM	311 SC	BIEDERMAN R
			2	055	M	700- 900PM	CHELS	BIEDERMAN R
			2	060	W	1030-1200	8RIAR	BIEDERMAN R
121	INTER CONV SPANISH	SPN 111 OR EQUI	2	001	F	1000-1200	332 LA	BIEDERMAN R
			2	083	T	630- 830PM	KAY	BIEDERMAN R
189	STUDY PROBLEMS	CONSENT	2	001	* * * TO	BE ARRANGED	* * *	BIEDERMAN R
213	SECOND YEAR SPANISH	SPN 122	3	001	T R	930-1100	105 SC	BIEDERMAN R

SPEECH (SPH)				Dept. 23				
101	FUND OF SPEAKING		3	001	M W F	900-1000	205 SC	HANSON C
			3	002	M W F	900-1000	242 LA	MCCLATCHEY M
			3	003	M W F	1330-1100	242 LA	MCCLATCHEY M
			3	004	M W F	1000-1100	CT LA	
			3	005	M W F	1100-1200	242 LA	MCCLATCHEY M
			3	006	M W F	1100-1200	CT LA	DEVEREAUX M
			3	007	M W F	1200- 100PM	205 SC	HANSON C
			3	008	M W F	1200- 100PM	CT LA	
			3	009	M W F	100- 200PM	206 SC	
			3	010	T R	930-1100	242 LA	MCCLATCHEY M
			3	011	T R	930-1100	205 SC	
			3	012	T R	1100-1230PM	242 LA	MCCLATCHEY M
			3	013	T R	1100-1230PM	205 SC	SALERNO C
			3	014	T	700-1000PM	CT LA	
			3	015	W	500- 800PM	242 LA	GROTRIAN P
			3	016	R	600- 900PM	205 SC	HANSON C
			3	094	R	700-1000PM	SALNE	BIXBY M
131	RADIO AND TV SPEECH		3	001	M W F	1000-1100	205 SC	HANSON C
			3	002	M W	100- 230PM	205 SC	HANSON C
152	ACTING FOR THEATRE		3	001	T R	930-1100	CT LA	
189	STUDY PROBLEMS	CONSENT	1-8	001	* * * TO	BE ARRANGED	* * *	
		CONSENT	1-8	002	* * * TO	BE ARRANGED	* * *	MCCLATCHEY M
		CONSENT	1-8	003	* * * TO	BE ARRANGED	* * *	HANSON C

STUDENT PERSONNEL SERVICES (SPS)				Dept. 07				
100	CAREER PLAN SEMINAR		3	001	T	100- 400PM	206 SC	GREINER M
			3	094	W	630- 930PM	SALNE	
102	INDEP STDY CAR PLAN		1	001	* * * TO	BE ARRANGED	* * *	GREINER M
Contact Instructor After Registration								

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
TECHNICAL COMMERCIAL ART (TCA) Dept. 73								
100	PERSP PARA PROJECT		4	001	T R	900-1200	108	OE
101	TECH ILLUSTRATION	100 OR CONSENT	4	001	T R	900-1200	124	OE
110	LETTERING & LAYOUT		4	001	M W	900-1200	124	OE
			4	002	T R	600- 900PM	108	OE
121	ADVERTISING LAYOUT	TCA 110	4	001	M W	600- 900PM	108	OE
122	TECH RENDERING		4	001	T R	1230- 330PM	108	OE
226	COMMERCIAL DISPLAYS		4	001	M W	600- 900PM	124	OE
227	GRAPHIC REPRODUCTN		4	001	T R	600- 900PM		
228	AIRBRUSH TECH		4	001	M W	100- 400PM	108	OE
236	SPECIALIZED STUDY	CONSENT	2-6	001	M W	400- 500PM	108	OE
			2-6	002	T	330- 530PM	108	OE
			2-6	003	T R	900-1000PM	108	OE

WELDING & FABRICATION (WF) Dept. 71

100	FUND OF WELDING		2	001	M	100- 500PM	125	OE	HALL C
			2	002	T	100- 500PM	125	OE	GRAY D
			2	003	T	600-1000PM	125	OE	FIGG W
			2	004	W	600-1000PM	125	OE	FIGG W
			2	005	M	800-1200	125	OE	GRAY D
			2	006	F	800-1200	125	OE	GRAY D
			2	007	R	800-1200	125	OE	HALL C
			2	008	T	800-1200	125	OE	HALL C
			2	009	W	100- 500PM	125	OE	HALL C
			2	010	M	600-1000PM	125	OE	FIGG W
			2	011	R	600-1000PM	125	OE	FIGG W
101	ACETYLENE WELDING		2	012	W	800-1200	125	OE	GRAY D
			2	001	W	800-1200	125	OE	GRAY D
			2	002	T	100- 500PM	125	OE	GRAY D
			2	003	M	600-1000PM	125	OE	FIGG W
			2	004	W	600-1000PM	125	OE	FIGG W
			2	005	F	800-1200	125	OE	GRAY D
			2	006	R	800-1200	125	OE	HALL C
			2	007	M	800-1200	125	OE	GRAY D
			2	008	T	800-1200	125	OE	HALL C
			2	009	M	100- 500PM	125	OE	HALL C
			2	010	W	100- 500PM	125	OE	HALL C
			2	011	T	600-1000PM	125	OE	FIGG W
			2	012	R	600-1000PM	125	OE	FIGG W
102	ARC WELDING		2	013	S	800-1200	125	OE	HALL C
			2	001	M	100- 500PM	125	OE	HALL C
			2	002	T	600-1000PM	125	OE	FIGG W
			2	003	W	600-1000PM	125	OE	FIGG W
			2	004	F	800-1200	125	OE	GRAY D
			2	005	R	600-1000PM	125	OE	FIGG W
			2	006	M	600-1000PM	125	OE	FIGG W
			2	007	R	800-1200	125	OE	HALL C
			2	008	T	100- 500PM	125	OE	GRAY D
			2	009	M	800-1200	125	OE	GRAY D
			2	010	T	800-1200	125	OE	HALL C
			2	011	W	800-1200	125	OE	GRAY D
			2	012	W	100- 500PM	125	OE	HALL C
			2	013	S	800-1200	125	OE	HALL C
103	HELI-ARC WELDING		2	001	M	100- 500PM	125	OE	HALL C
			2	002	T	600-1000PM	125	OE	FIGG W
			2	003	W	600-1000PM	125	OE	FIGG W
			2	004	F	800-1200	125	OE	GRAY D
			2	005	R	600-1000PM	125	OE	FIGG W
			2	006	M	600-1000PM	125	OE	FIGG W
			2	007	R	800-1200	125	OE	HALL C

Course No.	Title	Prerequisite	Cr	Section No.	Days	Hours	Room	Instructor
WELDING & FABRICATION (WF) Dept. 71(Cont.)								
103	HELI-AC WELDING		2	008	T	100- 500PM	125 OE	GRAY D
			2	009	M	800-1200	125 OE	GRAY D
			2	010	T	800-1200	125 OE	HALL C
			2	011	W	800-1200	125 OE	GRAY D
			2	012	W	100- 500PM	125 OE	HALL C
			2	013	S	800-1200	125 OE	HALL C
104	SOLDERING & BRAZING		2	001	T	600- 800PM	125 OE	FIGG W
			2	002	R	600- 800PM	125 OE	FIGG W
			2	003	R	800-1000	125 OE	HALL C
			2	004	T	800-1200	125 OE	HALL C
			2	005	S	800-1200	125 OE	HALL C
111	OXY-ACETYLENE WELD		4	001	T	100- 500PM	125 OE	GRAY D
					F	800-1200	125 OE	
			4	002	M W	100- 500PM	125 OE	HALL C
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	T R	600-1000PM	125 OE	FIGG W
			4	006	M W	600-1000PM	125 OE	FIGG W
112	ARC WELDING		4	001	M W	100- 500PM	125 OE	HALL C
			4	002	M W	600-1000PM	125 OE	FIGG W
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	T R	600-1000PM	125 OE	FIGG W
			4	006	T	100- 500PM	125 OE	GRAY D
					F	800-1200	125 OE	
123	ADV OXY-ACETYLENE		4	001	T	100- 500PM	125 OE	GRAY D
					F	800-1200	125 OE	
			4	002	T R	600-1000PM	125 OE	FIGG W
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	M W	600-1000PM	125 OE	FIGG W
			4	006	M W	100- 500PM	125 OE	HALL C
124	ADV ARC WELDING		4	001	M W	100- 500PM	125 OE	HALL C
			4	002	M W	600-1000PM	125 OE	FIGG W
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	T R	600-1000PM	125 OE	FIGG W
			4	006	T	100- 500PM	125 OE	GRAY D
					F	800-1200	125 OE	
189	STUDY PROBLEMS	CONSENT	1-8	001		TBA -	125 OE	GRAY D
			1-8	002	* * *	TO BE ARRANGED	* * *	FIGG W
199	ON THE JOB TRAINING	CONSENT	1-8	001	* * *	TO BE ARRANGED	* * *	GRAY D
			1-8	002	* * *	TO BE ARRANGED	* * *	FIGG W
200	LAYOUT THEORY WELD		2	001	R	1200- 300PM	125 OE	
210	WELD METALURGY		3	001	R	600-1000PM	125 OE	HALL C
215	ADV TIG MIG WELD		4	001	M W	100- 500PM	125 OE	HALL C
			4	002	M W	600-1000PM	125 OE	FIGG W
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	T R	600-1000PM	125 OE	FIGG W
			4	006	T	100- 500PM	125 OE	GRAY D
					F	800-1200	125 OE	
226	SPECIAL WELD PROCED		4	001	M W	100- 500PM	125 OE	HALL C
			4	002	M W	600-1000PM	125 OE	FIGG W
			4	003	M W	800-1200	125 OE	GRAY D
			4	004	T R	800-1200	125 OE	HALL C
			4	005	T R	600-1000PM	125 OE	FIGG W
			4	006	T	100- 500PM	125 OE	GRAY D
					F	800-1200	125 OE	
227	BASIC FABRICATION	CONSENT	3	001	F	600-1000PM	125 OE	FIGG W
229	SHAPE CUTTING OPER		3	001	R	1200- 330PM	113 OE	FIGG W

WOMEN'S STUDIES (WS) Dept. 06

103	PSY/BIO OF WOMEN		3	001	T R	1100-1230PM	140B SC	ROBERTS S
104B	WOMEN IN HISTORY		1	001	R	200- 330PM	101 FE	REPS F
105	WOMEN AND THE LAW	10/8 to 11/19	1	001	T	730-1000PM	101 FE	KING J
109	WOMENS HEALTH CARE		3	050	* * *	TO BE ARRANGED	* * *	

NOTE:
Section 050 is a TV course
using the program series
"Contemporary Health Issues"

115	ASSERT TRAIN/WOMEN		3	001	R	100- 430PM	101 FE	CRAYNE
			3	002	M	700-1000PM	101 FE	BAKER S
			3	083	W	700-1000PM	AAY	BAKER

CREDIT COURSE DESCRIPTIONS

In this section descriptions of all credit courses offered during the Spring and Summer sessions at Washtenaw Community College are listed alphabetically. Credit-free classes are listed on pages 77-82.

The number of hours each class meets per week is indicated if it is different from the number of credit hours for the class (i.e., 3 credit hours = 3 hours of class per week). This applies to a 15 week session. During short terms the number of class hours per week increases.

Two courses available to students in most career programs are Study Problems and On-The-Job Training.

189. STUDY PROBLEMS 2-8 credit hours

Prerequisite: Consent of area coordinator

Directed activities in major occupational and selected general education areas; a period of concentrated effort to an assigned problem working with faculty or a recognized specialist in the occupation; the demonstration of the individual's understanding and skill development within the selected occupation or area.

199. ON-THE-JOB TRAINING 1-6 hours

The College offers cooperative occupational experience programs to interested and qualified students in both the Occupational and General Education areas. These programs are designed to produce a learning situation (training station) which would not be possible to reproduce in a campus environment.

The student may be placed in a training station in business and industrial firms as well as educational, institutional and governmental establishments. Training station assignments may be arranged on (a) a half-day basis (b) daily alternating work and study (c) alternating work and study each semester (d) a summer experience program.

Students planning to enroll for credit must first review their plans with their advisors and the Instructional Coordinator or Associate Deans to obtain approval. No more than six credits may be applied to a certificate of achievement and no more than twelve credits may be applied to Associate Degree requirements.

ACCOUNTING (ACC 41)

ACC 091. FUNDAMENTALS OF ACCOUNTING I 3 credit hours

Prerequisite or Corequisite: MTH 090

Introduces the student to the theory and practice of modern double-entry accounting systems and procedures. Emphasis placed on journalizing and posting, adjusting and closing books and the preparation of financial statements. Designed for the non-accounting major; does not give transfer college credit.

ACC 111. PRINCIPLES OF ACCOUNTING I 3 credit hours

Prerequisite or Corequisite: MTH 163 or MTH 167

An introductory course of accounting principles and theory with emphasis on the accounting cycle, receivables and payables, depreciation, inventories, payroll, deferrals and accruals, systems and controls. Required of all Accounting majors and Business Administration transfer students.

ACC 122. PRINCIPLES OF ACCOUNTING II 3 credit hours

Prerequisite: ACC 111

A continuation of Principles of Accounting 111 covering partnerships, corporations, and an introduction to cost accounting, budgets and analysis of financial reports. Required of all Accounting majors and Business Administration transfer students.

ACC 131. COMPUTERIZED ACCOUNTING 3 credit hours

Prerequisite: ACC 092 or ACC 111

Accounting applications (General Ledger, Accounts Receivable, Accounts Payable, Depreciation and Payroll) are presented and mastered on the microcomputer in such a manner that no prior knowledge of microcomputers is required. This course covers the complete and comprehensive

usage of these applications and is not a short practice set or workshop seminar. This course does not teach computer programming, but is intended to train the student to become an intelligent user of accounting software on the microcomputer. The student is expected to do assignments on the microcomputer outside of the class in order to complete the required materials.

ACC 200. PERSONAL TAX ACCOUNTING 3 credit hours

Prerequisite: ACC 111 or equivalent

An introductory course in federal and state personal income taxes, federal and state payroll taxes, and other general taxes.

ACC 213. INTERMEDIATE ACCOUNTING 3 credit hours

Prerequisite: ACC 122

Further study of generally accepted accounting principles as they apply to financial statements, cash and temporary investments, receivables, current liabilities, fixed assets, long-term investments, capital and earnings. Required of all Accounting majors. Offered Fall Semester only.

ANTHROPOLOGY (ANT 01)

ANT 150. RELIGIONS OF THE WORLD 3 credit hours

A study of the religions of non-literate peoples and of the major religions of the world from an anthropological perspective. Emphasis on the relationship between religious systems and other socio-cultural systems and on the role of religion in the inner and outer lives of individuals.

ANT 201. INTRODUCTION TO CULTURAL ANTHROPOLOGY 3 credit hours

A study of the stages of man's cultural development beginning with hunting and gathering and ending with the development of the state. Change in contemporary peasant societies will also be studied. This course is also taught as a television course using the program series "Faces of Culture."

ANT 211. INTRODUCTION TO THE PHILOSOPHY AND PRACTICE OF YOGA 3 credit hours

An introduction to the philosophy of experiencing knowledge. This course will deal with classical writings, the practice of yoga and lectures on the relationship of anatomy and physiology to yoga practice.

ARCHITECTONICS (ARC 61)

ARC 109. SITE LAYOUT 3 credit hours

A lecture and field course dealing with the principles of site layout of construction projects. Approved site plans, builders level transit, tape chain and preferred equipment are demonstrated and used.

ARC 111. ARCHITECTURAL DRAWING I 6 credit hours

An introduction to light frame construction and requirements including the preparation of working drawings for the construction of structures classified as "Light Frame Structures." (12 hours per week)

ARC 117. CONSTRUCTION MATERIALS 3 credit hours

A survey of typical types of materials used in building construction. Emphasis is placed on the properties, selection and building techniques appropriate for a wide range of materials. Included are woods, metals, plastics, clay, gypsum, glass and aggregate materials.

ARC 122. ARCHITECTURAL DRAWING II 6 credit hours

Prerequisite: ARC 111

Preparing architectural presentation drawings from diagrammatic sketches, pictures, surveys and conference notes. The student is taught to develop preliminary studies, presentation drawings and working drawings for an architectural project utilizing masonry construction. (12 hours per week)

ARC 150. PRESENTATION DRAWINGS AND MODELS 4 credit hours

Comprehensive knowledge of and manual skills to make perspective drawings for pictorial presentation, scale models showing site conditions with topography, simple methods for rendering drawings, shades and shadows on architectural drawings, photographs of models for simulated comparison of proposed building to proposed building site.

ARC 207. ESTIMATING CONSTRUCTION COSTS I 2 credit hours

Prerequisite: ARC 117 and ARC 120

Introduction to methods of estimating construction costs for building construction projects involving the use of quantitative survey methods of estimating materials, labor, equipment. Methods of computing overhead and profit included.

ARC 209. SURVEYING 3 credit hours

Prerequisite: MTH 151

A lecture and field course on the process of surveying and the analysis of survey data. (4 hours per week)

ARC 210. STRUCTURE IN ARCHITECTURE 2 credit hours

Prerequisite: PHY 111 recommended

An introduction to the use of structural systems (steel, timber, and reinforced concrete, etc.). Design fundamentals of simple structural components are emphasized.

ARC 213. ARCHITECTURAL DRAWING III 6 credit hours

Prerequisite: ARC 122

Major problems in architectural detailing are studied through the preparation of drawings and details for a moderate sized building such as a school or church. (12 hours per week)

ARC 224. ARCHITECTURAL DRAWING IV 6 credit hours

Prerequisite: ARC 213

Major problems in architectural drawing are studied through the preparation of program and drawings for a large size building project such as a shopping center or multi-story structure. (12 hours per week)

ART (ART 17)

ART 101. DRAWING AND PAINTING 3 credit hours

For students with no previous studio work who wish to experience an introductory art course and develop individual creative expression. Instruction in the fundamentals of color and composition involving basic use of art media. Not intended to take the place of Basic Drawing 111 or Painting 114.

ART 111. BASIC DRAWING I 4 credit hours

Introduction to fundamentals of drawing. Through projects students are given experience in basic problems and issues of drawing. Emphasis on the training of the eye and the hand. Course serves as a basis for those who wish to improve their ability to think and articulate in visual terms. (6 hours per week)

ART 112. BASIC DESIGN 4 credit hours

Study of two dimensional structures through the exploration of the elements of art: line, value, shape, texture, color. The visual recognition that the predominance of the whole constitutes the composition of its parts. Emphasis on experimentation and imagination to arrive at visual ordering. (6 hours per week)

ART 120. PORTRAIT PAINTING AND LIFE DRAWING 4 credit hours

Working from live models, students study anatomy, techniques in drawing and painting and visual expression. Multi-media. Clay modeling. Prefer some art background, although not required. (6 hours per week)

ART 130. ART APPRECIATION 3 credit hours

An inquiry into the ways in which art reflects, extends and shapes experience. Art of the past and the present as a statement of our human condition. Class discussion, short papers and projects.

ART 140. LIFE DRAWING 4 credit hours

Drawing of the nude to develop visual acuity and self awareness. Emphasis on, but not limited to, gesture and contour drawing as a means towards graphic, conceptual and emotional communication through figure studies. (6 hours per week)



ART 143. ART AND CULTURE OF AFRO-AMERICA . . . 3 credit hours

Prepares students to participate in and appreciate the arts (visual, dance, music, film, poetry, literature) of African and Afro-American people. Perspectives and definitions that differ from Western values and standards are presented. Anthropological approach used to recognize the importance of history in understanding the present. Multi-media methods. Skill development and aesthetic competence emphasized.

**ASTRONOMY
(AST 32)**

AST 111. GENERAL ASTRONOMY 3 credit hours

Survey of the solar system and the universe, designed for both transfer and vocational students. No previous mathematics or science required. Topics include: the sun, moon and planets; Ptolemaic and Copernican systems; seasonal changes in the sky; and modern ideas growing from early beliefs in astrology. (4 hours per week)

**AUTO BODY REPAIR
(ABR 59)**

Students enrolling in the Auto Body Repair Program will be required to furnish basic tool sets. They will also be required during their training to add to the tool sets so they will be equipped upon completion of their programs.

ABR 111. AUTO BODY REPAIR FUNDAMENTALS 4 credit hours

Repairs made on damaged body panels while studying the working properties of automobile sheet metal and basic damage conditions. Analyzing typical damage conditions and establishing accepted repair procedures are part of course. (8 hours per week)

ABR 112. AUTO REFINISHING FUNDAMENTALS 4 credit hours

Methods and procedures used with automobile refinishing materials. Acrylic lacquers and enamels used to spray paint automobile body panels and complete automobiles. Proper use of refinishing materials and the development of basic skills and procedures used in the trade. (8 hours per week)

ABR 113. LIGHT BODY SERVICE 1 credit hour

Principles of alignment and servicing of body components. Students exposed to the adjustments of various designs of hinges, latches, window regulators and the problems involved in servicing body trim, hardware and the sealing of water and dust leaks. Correct fit and the function of body parts are stressed. (4 hours per week, 7½ weeks)

ABR 114. APPLIED AUTO BODY WELDING 1 credit hour

Demonstration-lab course develops basic welding skills used in auto body repair. Types of welded joints used to repair or replace damaged panels with special emphasis on joint construction and heat control. (4 hours per week, 7½ weeks)

ABR 123. BODY REPAIR APPLICATIONS 4 credit hours

Prerequisite: ABR 111

Continuation of Auto Body Repair 111. Lab work includes actual repair jobs to develop all of the basic bumping skills. Emphasis placed on quality and work habits. (8 hours per week)

ABR 124. AUTO REFINISHING APPLICATIONS 4 credit hours

Prerequisite: ABR 112

Continuation of units in Auto Body Repair 112. Lab assignment on actual automobiles provides opportunity to improve skills, matching of high metallic colors using modern spot repair and color blending techniques, as well as overall refinishing. (8 hours per week)

ABR 219. MAJOR REPAIR PROCEDURES 4 credit hours

A detailed study of the automobile body that includes use of hydraulic jacks and accessories to make repairs common to the front, side and rear sections of automobiles damaged by collision. Repair jobs to provide the student diversified experience on body trim and hardware, replacement and aligning various body components. (8½ hours per week)

ABR 220. ENAMEL REFINISHING PRACTICES 4 credit hours

Prerequisite: ABR 124

Study of modern acrylic and polyurethane enamels which includes surface preparation mixing and application of solid and metallic colors. Actual cars and light trucks provide the student diversified experience and skill development. (8 hours per week)

ABR 230. SPECIALIZED STUDY 2-8 credit hours

Prerequisite: Consent

Students utilize periods of concentrated effort on assignments in selected areas of the auto body repair field. Students work with instructor consultation to demonstrate development within the selected area of general collision service, body shop organization and management, or estimating automobile physical damage. (8-16 hours per week)

**AUTOMOTIVE SERVICE
(AS 60)**

Students enrolling in the automotive service programs will be required to furnish basic tool sets. They will also be required to add to the tool sets during their period of training so they will be equipped for employment upon completion of their program.

AS 043. BASIC TUNE-UP I 1 credit hour

This course deals with the procedure of doing a minor tune-up. It will cover theory of the ignition system (both conventional and electronic.) There will be time provided to perform these service operations on your own vehicles. Operations will include replacing spark plugs, replacing and adjusting ignition points and condenser, setting ignition timing and adjusting the carburetor.

AS 059. CONSUMER CAR CARE 1 credit hour

This course is an introduction to the basic principles of operation and service of today's automobiles. (Does not include tune-up.) The course will include the following: orientation, personal auto familiarization, basic automobile operation, safety, battery service, cooling system service, lubrication, oil and filter service, wheel bearing service, tire service and brake inspection.

AS 110. LIGHT SERVICE REPAIR 2 credit hours

Fundamentals of automotive tools, service equipment and light repairs. Areas of concentration are the theory and practical application and/or use and care of hand tools, shop safety, measuring devices, cooling systems, exhaust systems, tire servicing, lubrication and body fittings. (4 hours per week)

AS 111. ENGINE REPAIR 4 credit hours

Prerequisite or Corequisite: AS 110

The design, construction and operating principles of modern gasoline engines are studied in detail. Procedure and techniques for disassembly, cleaning and inspecting of basic parts and also specialized instruction in procedures to rebuild an engine. Machine operations such as valve grinding, cylinder boring, piston pin fitting and rod and cap reconditioning stressed. (8 hours per week)

**AS 113. MANUAL TRANSMISSION, TRANSAXLE
AND DRIVETRAINS** 2 credit hours

Corequisite: AS 110

This is an introductory lecture and laboratory course in manual drivetrain fundamentals and service. The development of basic skills in maintenance, service, troubleshooting, and overhaul of units will be stressed. Units covered include clutches, standard transmissions, standard transaxles, driveshafts, final drive and selected four-wheel drive components.

AS 116. AUTOMOTIVE ELECTRONICS 2 credit hours

Prerequisite or Corequisite: AS 110

Theory and application of basic automotive electronics. Includes fundamentals of electricity, construction and operation of electrical components and solid state devices, circuit construction, storage battery operation and storage battery service.

AS 116B. ELECTRICAL SYSTEMS II 2 credit hours

Prerequisite: AS 116A

Theory, diagnosis, and servicing of automotive electrical systems. Includes ignition and accessory circuits.

AS 118. FUEL SYSTEMS 2 credit hours

Students will experience demonstrations, laboratory exercises and discussions designed to develop an understanding of basic fuel system operation and factors effecting its' performance. Objectives are designed to build a strong understanding of carburetion, emission controls, fuel injection theory and their components. Emission systems will be introduced and basic service procedures will be practiced. The knowledge obtained in PHY 110 Applied Physics provides an excellent base of theory for successful completion of this course.

AS 124. WHEEL BALANCING AND ALIGNMENT 2 credit hours

Prerequisite: AS 110

Defines the various types of noise, vibration and harshness conditions associated with tires and drive trains. Wheel alignment and balancing included with students performing wheel and steering diagnosis and repairs on actual units. (6 hours per week)

AS 125. BRAKE SYSTEMS 2 credit hours

Prerequisite: AS 110

Drum and disc brake systems. The theory, servicing of drums, rotors, master cylinders, calipers, wheel cylinders, linings, and warning systems. Wherever possible, work performed on actual vehicles. (6 hours per week)

AS 128. FUEL SYSTEMS 2 credit hours

Prerequisite: AS 110

Theory, diagnosis and repair procedures of automotive carburetors, fuel pumps, fuel injection systems and the emission controls that regulate or directly affect the fuel system (6 hours per week)

AS 160. SMALL ENGINE REPAIR 2 credit hours

This course covers the complete teardown and assembly of a small air cooled engine. It covers in detail theory and operation of Briggs & Stratton, Tecumseh, and Kohler engines which constitute about 80% of the lawnmowers, garden tractors, tillers, mini-bikes, etc. in the area.

AS 212. AUTOMATIC TRANSMISSIONS—MECHANICAL 2 credit hours

Prerequisite: AS 123

Automatic transmissions study with emphasis placed on the principles of operation. Instruction coordinated with servicing actual units, including complete transmission overhaul. (4 hours per week)

AS 214. STEERING AND SUSPENSION SYSTEMS 3 credit hours

Prerequisite: AS 124

Manual and power steering systems and front and rear suspension systems. Principles of operation, diagnosing and servicing procedures. Practical experience on actual vehicles. (6 hours per week)

AS 218. TUNE UP AND EMISSIONS 4 credit hours

Prerequisite: AS 116 and AS 123

Testing, diagnosing and servicing of the engine, ignition, fuel, cranking and charging systems and emission controls using the latest test equipment and procedures available. (8 hours per week)

AS 220. APPLIED AUTOMOTIVE WELDING 2 credit hours

Prerequisite: WF 101

Applying the fundamentals of gas and acetylene welding to the automobile working on actual vehicles. (4 hours per week)

**BIOLOGY
(BIO 27)****BIO 101. CONCEPTS OF BIOLOGY** 4 credit hours

Basic principles and concepts of biology studied in lecture and laboratory with emphasis on their practical application and their effects on the environment. For the non-science student, but basic introduction for advanced biology courses. Lecture and laboratory. (6 hours per week)

BIO 102. HUMAN BIOLOGY 4 credit hours

Structure, function and the place of humans in the biological world studied in lecture and laboratory. Practical application and the effect on human beings and their environment. Microscope, dissection, observation and measuring techniques. An introduction to human biology for the beginning student. (6 hours per week)

BIO 111. BASIC ANATOMY AND PHYSIOLOGY 5 credit hours

Survey of the basic structures, functions and the dysfunctions of the human body designed for students pursuing a Health Occupations curriculum. Coverage of the systems of the body is in a logical sequence with emphasis on practical applications to various health fields. Lab experiences include relevant applications of materials and principles introduced in Basic Anatomy and Physiology.

BIO 127. BOTANY 4 credit hours

Prerequisite: BIO 101 or permission

Field and laboratory investigations providing detailed study of plant structure and function. For the student with a general interest in plants and to provide a basis for further work in botany. Lecture and laboratory. (6 hours per week)

BIO 137. ORNAMENTAL INDOOR PLANTS 2 credit hours

This course is designed for the person who enjoys houseplants and wants to learn more about them. Selection and growth of ornamental indoor plants from seeds and cuttings will highlight the course. Every student should be able to increase his or her collection of houseplants by at least fifteen different varieties. Proper care of houseplants will be stressed, relating to soil, potting, transplanting, watering, fertilizers, insects, control of growth and flowering.

BIO 237. MICROBIOLOGY 4 credit hours

Prerequisite: BIO 101 or permission of instructor.

Micro-organisms and their activities studied in lecture and laboratory. (9 hours per week)

**BLACK STUDIES
(BLS 10)****BLS 107. BLACK PSYCHOLOGY (See Psychology 107)****BLS 110. AFRO-AMERICAN DANCE (See Dance 110)****BLS 120. PORTRAIT PAINTING AND LIFE DRAWING (See Art 120)****BLS 143. ART AND CULTURE OF AFRO-AMERICA** 3 credit hours

Prepares students to participate in and appreciate the arts (visual, dance, music, film, poetry, literature) of African and Afro-American people. Perspectives and definitions that differ from Western values and standards are presented. Anthropological approach used to recognize the importance of history in understanding the present. Skill development and aesthetic competence emphasized.

BLS 183. MUSIC OF THE AFRICAN-AMERICAN CULTURE (See Music 183)**BLS 210. AFRO-AMERICAN DANCE II** 1 credit hour

Prerequisites: BLS 110 or permission

To further the student's dance vocabulary using basic African/Afro-American movements employed in the "Boogie," Jazz, Dixieland, Modern and Latin dance. Emphasis is to build confidence through the use of movement combinations; traditional African/Afro-American movement; exploring solo creation, and learning at least one Afro-American dance. Performance is encouraged, but not mandatory.

**BLUEPRINT READING
(BPR 64)****BPR 100. BLUEPRINT READING I** 2 credit hours

Elementary blueprint reading for the construction trades. Emphasis is on the development of visualization skills and the study of practices and symbols for interpreting construction prints. Smaller scale construction projects studied.

BPR 101. BLUEPRINT READING II 3 credit hours

Fundamentals of blueprint reading as applied to the manufacturing industry. Basic drafting principles studied as applied to specific problems. Designed for pre-engineers, draftsmen, machine operators, machine repairmen, inspectors, welders and supervisors.

BPR 110. BLUEPRINT READING FOR CONSTRUCTION TRADES 2 credit hours

Advanced blueprint reading for persons in the construction trades. Emphasis on the application of blueprint reading, principles and fundamentals to the construction process. Large scale construction projects are the base of instruction.

BUSINESS (BUS 46)

BUS 100. INVESTMENTS 1 credit hour

A course designed to acquaint students with various aspects of financial investments. Topics to be covered include: corporate securities investment banking, financial statement analysis, over-the-counter market and other phases of financial investments.

BUS 107. WOMEN IN THE WORKPLACE 1 credit hour

An inquiry into the economic and social factors affecting women in the workplace. An opportunity to become familiar with current literature on the working woman and to examine attitudes towards women and attitudes of working women.

BUS 111. BUSINESS LAW I 3 credit hours

Text and case study of the general laws applicable to business covering the nature of law courts and court procedures, contracts, real and personal property, wills and trusts and negotiable instruments. BUS 111 is offered all semester. Will transfer to EMU as their BUS 293.

BUS 140. INTRODUCTION TO BUSINESS 3 credit hours

Functions, objectives, problems, organization, and management of modern business. The free-enterprise system of business-economic activity and the impact of the consumer and governmental forces upon the system. Develops insight into vital role of the administrative function in our economy as a whole and in the operation of a single business unit. Practical orientation in the career opportunities available in business and industry. This course is also taught as a television course using the program series "It's Everybody's Business."

BUS 200. INDEPENDENT DIRECTED STUDY 2-8 credit hours

Prerequisite: Consent. Credit hours determined prior to registration

A planned program of study in selected business-industrial occupational career subject matter under the guidance and direction of a regular staff member. Supplements classroom study in a way that will enhance the student's total occupational career educational experience. Includes readings, analyses, conferences and reports. (Hours to be arranged)

BUS 207. BUSINESS COMMUNICATION 3 credit hours

Oral and written communication skills as they relate to business enterprise. Emphasis on social and psychological aspects and the public relations function of business communication. Importance of clarity, conciseness, accuracy and appropriateness of tone in all types of business communication. Includes business correspondence and reports and the gathering, preparation, organization and presentation of data.

CHEMISTRY (CEM 33)

CEM 057. INTRODUCTORY CHEMISTRY 3 credit hours

A preparatory course for the student with no background in high school science or algebra. May be taken by students wishing to improve their chemistry background before taking Chemistry 111, Chemistry 105, or by the student desiring an exposure to chemistry. Introductory Chemistry Laboratory 058 is recommended. (3 hours per week)

CEM 058. INTRODUCTORY CHEMISTRY LABORATORY 1 credit hour

Prerequisite or Corequisite: CEM 057

A laboratory experience in basic chemical laboratory practices and

procedures. Introductory Chemistry Laboratory 058 should be elected to accompany Introductory Chemistry 057. (3 hours per week)

CEM 105. FUNDAMENTALS OF CHEMISTRY 4 credit hours

Prerequisite: High school chemistry or CEM 057

A study of the principles of chemistry surveying the major topics in chemistry. For students not needing a major or minor in chemistry, or with interests in nursing or other health related areas. May also serve as a general science elective. (6 hours per week)

CEM 111. GENERAL CHEMISTRY I 4 credit hours

Prerequisites: High school chemistry or algebra

A beginning general college chemistry course. Includes the laws of chemical combination, states of matter, atomic and molecular structure, bonding and other basic principles. Lectures and laboratory. (6 hours per week)

CEM 122. GENERAL CHEMISTRY II 4 credit hours

Prerequisite: CEM 111

A continuation of General Chemistry 111, including ionic equilibria, qualitative analysis and quantitative analysis. Laboratory work includes the qualitative identification of unknown substances and quantitative determinations using elementary instrumental techniques. (8 hours per week)

CEM 140. ORGANIC BIOCHEMISTRY 4 credit hours

Prerequisite: CEM 105 or CEM 111

Course stressing organic chemistry and biochemistry for those going into nursing and the health services. This is a terminal course. Lectures and laboratory. (6 hours per week)

CEM 211. ORGANIC CHEMISTRY I 3 credit hours

Prerequisite: CEM 111

A lecture course dealing with nomenclature, stereo-chemistry and reactions of aliphatic and aromatic compounds. Normally offered Fall Semester only.

CHILD CARE WORKER (CCW 76)

CCW 101. CHILD DEVELOPMENT 3 credit hours

A general overview of the physical, social, emotional and intellectual development of the child from conception to maturity with emphasis on the preschool years. Examines the environmental, ethnic and familial factors that make for group differences and individuality of growth and current research in these areas.

CCW 105. PRACTICUM I 3 credit hours

Supervised teaching at the WCC Children's Center. Students work in the classroom, supervised by a qualified teacher at the center. One hour per week is spent attending a practicum seminar. Opportunities for observation, planning and participation dependent on the student's readiness. Recommended that CCW 105 be taken concurrently with CCW 107 or CCW 108. Credit may be arranged for students already working with young children in other settings. Contact the coordinator to arrange credit. (9 hours per week)

CCW 106. PRACTICUM II 3 credit hours

A continuation of Child Care Work 105. Recommended that CCW 106 be taken concurrently with CCW 107 or CCW 108. (9 hours per week)

CCW 108. EDUCATIONAL EXPERIENCES IN EXPRESSIVE ARTS 3 credit hours

Integrated curriculum workshops cover a wide range of the arts, especially music, creative movement, art and drama. Emphasis on how to facilitate creativity and self-expression. Basic materials, techniques and activities introduced and then used with young children.

CCW 114. PRACTICUM III 4 credit hours

A continuation of Child Care Work 106. Recommended that CCW 114 be taken concurrently with CCW 111 or CCW 116. (10 hours per week)

CCW 200. STAFF/PARENT INTERPERSONAL RELATIONS

3 credit hours

Explores the many facets of parent and staff involvement in the child care setting. The various forms of parent participation, ways of increasing positive communication with parents, cultural differences and goals of parents, and planning parent education programs. Emphasis given to the individual parent/teacher conference, preparation, mechanics and techniques.

COMPUTER INFORMATION SYSTEMS (CIS 40)

Data Processing at WCC has been revitalized and changed to Computer Information Systems. As a guide to those familiar with the old classified and number system, here are comparable classes:

DP100	CIS100
DP105	CIS105
DP111A	CIS111
DP111B	CIS112
DP111C	CIS131
DP111D	CIS133
DP111E	CIS238
DP122A	CIS115
DP122B	CIS137
DP213A	CIS271
DP213B	CIS272
DP213C	CIS273
DP213D	CIS231
DP1224A	CIS282

CIS 100. INTRODUCTION TO COMPUTERS 3 credit hours

Occupational uses of computers. Computer development and early computer devices. Students describe and operate components of a remote time sharing system; study computer applications in business, education, government, health and law enforcement; observe computer uses in the above areas by writing simple programs and/or by touring local computer sites and describing the impact of computers on present and future societies. This course is also taught as a television course using the program series "The New Literacy."

CIS 105. MICROCOMPUTER PROGRAMMING FOR BEGINNERS 2 credit hours

Student will gain insight to computer organization, how it works in layman terms, develop (through lectures and exploring graduated exercises and assignments) skills necessary to identify problems and develop simple programs to solve them.

CIS 111. COMPUTER CONCEPTS 3 credit hours

Electronic data processing. Basic terminology and concepts of data processing applications. Introduction to systems analysis and design and computer concepts including card disk and tape processing. Students will develop familiarity with terminal and small computer operation and will be introduced to operating systems and data communications.

CIS 112. COMPUTER FUNCTIONS 3 credit hours

Prerequisite: CIS 111

Continuation of CIS 111. Principles of computer programming. Program flowcharting, program documentation and an overview of high level programming languages is developed. Social implications of the computer are discussed. Some simple programming is required.

CIS 115. PROGRAMMING LOGIC 3 credit hours

Prerequisite: CIS 112

Development of structured solutions to business computer problems using ANSI flowcharting symbols, pseudocode and decision tables. No programming required.

CIS 130. INTRODUCTION TO PASCAL 3 credit hours

Prerequisite: CIS 111, CIS 112, or consent

This first course in PASCAL, which prepares students for programming in a business or an industrial environment, will cover the general structure of PASCAL programs, the declaration of and operations on simple variables, structured programming techniques, procedures and structured data types (including arrays, records, files and sets).

CIS 131. FORTRAN FOR BUSINESS AND INDUSTRY 3 credit hours

Prerequisite: CIS 115 or consent

In addition to basic input/output, computation and branching techniques, this course will cover Do-loops, arrays, functions and subroutines. Features of FORTRAN 77 will be utilized, when appropriate, to develop structured programs for business and industry.

CIS 136. BASIC FOR BUSINESS AND INDUSTRY 3 credit hours

Principles of the BASIC language using structured techniques. Entry and retrieval of data, mathematical operations, compare and control statements, subscript and function options as well as DATA files and formatted output will be addressed. Students write BASIC programs, then enter and run them on microcomputers or computer terminals.

CIS 139. COMPUTER PROGRAMMING LANGUAGE 3 credit hours

Prerequisite: CIS 130 or equivalent job experience

The course will cover the general structure of computer programs, declarations, elementary and structured data types; use of functions, and indirect addressing. It will emphasize good program structure and documentation.

CIS 141. COMPUTER OPERATIONS I 3 credit hours

Study of computer systems including input/output devices, mass storage, the central processing unit and software with emphasis on their operation. The role of personnel in computer operations and relationships between operations and other functional areas within the data processing department are covered. Other topics include the importance of job documentation, standards manuals and error logs.

CIS 142. COMPUTER OPERATIONS II 3 credit hours

Prerequisite: Consent

Features and advanced concepts of various operating systems are studied. Students perform an in-depth project for a complete job run involving scheduling, documentation, job monitoring, response to console messages and forms maintenance.

CIS 230. ADVANCED PASCAL FOR BUSINESS AND INDUSTRY 3 credit hours

Prerequisite: CIS 130

A continuation of CIS 130 provides an indepth coverage of PASCAL with advanced applications on microcomputer systems. In addition to CIS 130 topics, pointers and strings will be covered. An indepth programming project using advanced PASCAL techniques will be completed.

CIS 271. INTRODUCTORY COBOL 3 credit hours

Prerequisite: CIS 130

A study of the input and output procedures of the COBOL language using structured techniques. Basic mathematical statements, final totals and the comparing function. Additional topics covered. Students write programs with input data supplied on disk. Some programs require full documentation packages.

CIS 272. INTERMEDIATE COBOL 3 credit hours

Prerequisite: CIS 271

A study of additional COBOL language features including additional input and output forms using structured techniques. Students learn conditional names, headings, print overflow, major-intermediate-minor totals, programs, some of which will utilize multiple input and output forms. Full documentation packages required for some program assignments.

CIS 273. ADVANCED COBOL 3 credit hours

Prerequisite: CIS 272

This course covers advanced topics in the COBOL language. Students will use alternate input and output devices including magnetic disk and access methods for sequential and indexed files. Emphasis will be placed on structured program design including implementation and documentation. Students write programs.

CIS 282. DATA BASE 3 credit hours

Prerequisite: CIS 130

Learning of database concepts and the working of database system

environments. Study database models with emphasis on relational, D.B.T.G. COSDAYL model and hierarchical model. Analysis of case studies and design of database project.

CIS 284. DATA COMMUNICATIONS 3 credit hours
Introduction to design issues in a network configuration, basic terminology and methodology. Typical applications and uses of teleprocessing networks. Detailed look at typical building blocks and types of network organizations. Common carrier services, tariffs, transmission facilities and signal conversion devices will be studied.

COMPUTER SCIENCE (CPS 31)

CPS 183. INTRO TO BASIC PROGRAMMING 4 credit hours
Prerequisite: MTH 097

This course acquaints students with the features and capabilities of the BASIC programming language, the language of most home computers. Students will use microcomputers as well as a time-sharing computer system to write and execute computer programs of general and practical interest.

CPS 186. INTRO TO PASCAL PROGRAMMING 4 credit hours
Prerequisite: MTH 169

This course has a transfer program orientation. An introduction to the principles and practices of the PASCAL programming language is presented. Designed as a teaching tool for programming concepts, PASCAL has become the preferred language of computer science departments. Students will learn about problem-solving strategies, top-down program development and good programming style. Students will write and execute selected programs in PASCAL.

CPS 187. INTRO TO FORTRAN PROGRAMMING 4 credit hours

An introduction to the principles and practices of the FORTRAN 77 programming language is presented. FORTRAN is designed for the science or business student who will use the computer as a tool in sorting, classifying, scheduling, performing complex or repetitive calculations, or evaluating models through simulation. Students will learn about problem-solving strategies, top-down program development, and good programming style. Students will write and execute selected programs in FORTRAN 77. This course does transfer to some four-year institutions.

CPS 287. ADVANCED FORTRAN PROGRAMMING 4 credit hours
Prerequisite: CPS 187 or 294

The student is assumed to have a basic knowledge of FORTRAN. The more advanced features of FORTRAN and of scientific and data structure programming in general are covered. Students will write and execute several FORTRAN programs which demonstrate advanced programming concepts and techniques. This course does transfer to some four-year institutions.

CPS 294. COMPARATIVE LANGUAGES 4 credit hours
Prerequisite: CPS 183, CPS 186, CPS 187 or CPS 188

This course has a transfer program orientation. This course is designed to compare and contrast the characteristics of several popular programming languages. Each language will be discussed separately and evaluated in terms of criteria such as general application area, efficiency, portability, ease of programming, and ease of maintenance. Students will write short programs in most of the languages discussed. Languages will probably include BASIC, PL/I, FORTRAN, FORTRAN 77, ALGOL, and PASCAL.

CRIMINAL JUSTICE (CJ 78)

CJ 100. INTRODUCTION TO CRIMINAL JUSTICE 3 credit hours
An indepth look at the Criminal Justice System to include Law Enforcement, Courts and Corrections. With a study as to their individuality and purposes.

CJ 122. THE CORRECTIONAL SYSTEM 3 credit hours
The correctional system from historical to contemporary times. Includes probation, parole and new treatments which are geared to deal with the first offender and repeater.

CJ 205. APPLIED PSYCHOLOGY FOR POLICEMEN 3 credit hours

Prerequisite: PSY 100

Principles of psychology, relevant to specific applications in law enforcement, major psychological theories viewed from perspective of their application to law enforcement practices.

CJ 208. CRIMINAL EVIDENCE AND PROCEDURE 3 credit hours

Prerequisite: CJ 209

Adjectival law, the law of evidence; role of the police, prosecutor, defense counsel, judge and jury; the judicial process; criminal procedure in various courts; law of arrest and search and seizure; and constitutional restraints. Principles of constitutional, federal and state laws as applied to law enforcement.

CJ 209. CRIMINAL LAW 3 credit hours

For either lawyer or layman. Designed to broaden the understanding of the student concerning the various agencies involved in the administration of criminal law. Emphasis on the more important law enforcement functions from arrest to executive pardon.

CJ 210. INTRODUCTION TO CRIMINALISTICS 3 credit hours

Criminalistics is the study and application of the physical and natural sciences to the collection and evaluation of evidence. This course offers an introduction to the examination of physical evidence including the collection, preservation, transportation, storage and identification of physical evidence; crime laboratory resources and capabilities; and a demonstration of laboratory criminalistics. (3 hours per week)

CJ 223. JUVENILE JUSTICE 3 credit hours

The major emphasis of this course is on problems of law enforcement related to juvenile crime. Major topics covered include theories of juvenile delinquency, work of youth agencies, legislative involvement and new approaches to the prevention of juvenile crime.

CJ 224. CRIMINAL INVESTIGATION 3 credit hours

A basic overview of investigative techniques as they pertain to many criminal justice agencies, to include the police. Course deals with the practical applications at crime scenes.

CJ 225. SEMINAR IN CRIMINAL JUSTICE 3 credit hours

A unifying experience and evaluation of criminal justice systems, policies and practices. Preparation of a concluding research paper is required in this course.

CULINARY ARTS (CUL 74)

**CUL 100. INTRODUCTION TO HOSPITALITY
INDUSTRY MANAGEMENT** 3 credit hours

Designed to give the student the history of the hospitality industry, trends, developments and opportunities in the industry today. An introduction to the study of the organizational structure and functions of management.

CUL 110. SANITATION AND HYGIENE 3 credit hours

Communicates the importance of sanitation to the hospitality worker, layman's bacteriology, communicable diseases, food poisoning, pest control, cleaning and sanitizing; personal hygiene. Students who complete this course and pass the exams receive National and State Sanitation Certification.

CUL 111. ELEMENTARY FOOD PREPARATION 6 credit hours

Development of standards of food preparation, portion control, service techniques, sanitation, receiving and storage of food and materials. Students identify foods and equipment and demonstrate proper use. Laboratory and lecture. (14 hours per week)

CUL 118. PRINCIPLES OF NUTRITION 3 credit hours

General principles of nutrition as they pertain to selection of foods, nutritional needs of all age groups; the meaning of food to people; the relationship of food and nutrition to health menu planning.



DN 103. BEGINNING TAP DANCE I 1 credit hour

An opportunity to learn basic tap dance vocabulary which will be incorporated into traditional steps and dance routines. Total body awareness and rhythmical enjoyment will be emphasized.

DN 105. BEGINNING JAZZ DANCE I 2 credit hours

This course will give the student a wide range of movement to use for self expression and physical enjoyment. Jazz exercise and dances will stretch and tone the body while developing better coordination and rhythm.

DN 106. BEGINNING JAZZ DANCE II 2 credit hours

An experience in moving intended for the student with dance background who wants to work on proficiency of jazz movement and stylized dancing.

DN 107. BEGINNING BALLET I 2 credit hours

An overview of ballet technique and steps intended for the student who wants to work on body awareness and alignment and skillful execution of movement while enjoying ballet's inherent beauty.

DN 108. BEGINNING BALLET II 2 credit hours

A continuation of beginning ballet steps and movement for the student who wants to work on improving proficiency of execution.

DN 110. AFRO-AMERICAN DANCE 1 credit hour

An introductory dance course with emphasis on movements commonly used in African and Black-American dance.

DN 122. BALLROOM DANCE 1 credit hour

Students will learn the basics of good social dance so that they can feel comfortable in any dance situation. They will learn how to lead, follow, and dance the most popular and most useful dances: fox trot, waltz, swing, cha-cha, rumba, polka and hustle. Designed for those with limited or no experience or for those who wish to review the basics.

DN 123. DANCE EXERCISE I 1 credit hour

Designed for the student who is looking for a slower paced dance exercise program, this choreographed program of stretching, simple dance routines, and reducing, all set to various types of music, will help trim and recondition the body while providing an excellent starting or re-entry point for a fitness program. Students will be encouraged to develop a total fitness program. Discussion of nutrition and the learning of simple relaxation techniques will also be a part of this class where no prior dance or exercise experience is required.

DN 210. AFRO-AMERICAN DANCE II 1 credit hour

Prerequisite: DN 110 or permission

To further the student's dance vocabulary using basic African/Afro-American movements employed in the "Boogie," Jazz, Dixieland, Modern and Latin dance. Emphasis is to build confidence through the use of movement combinations; traditional African/Afro-American movement; exploring solo creation, and learning at least one Afro-American dance. Performance is encouraged, but not mandatory.

DN 221. MUSIC FOR DANCE 3 credit hours

Prerequisite: Permission

This course is designed for the student who desires to use both dance and music media to promote and explore creative expression. Information covered will include standard music/dance forms; American, European, South American, African, Indian, and other cultures; traditional music and dance; how these different forms and styles evolved; and how these forms can be used to create new works. Students will create dances to music and choose music to accompany dances.

DN 222. BALLROOM DANCE II 1 credit hour

Prerequisite: Ballroom Dance I or permission

Students will perfect the basics of good social dance so that they can excel in any dance situation. They will learn advanced patterns in fox trot, waltz, swing, cha-cha, rumba, polka and hustle. They will be introduced to tango, mambo and samba. Designed for those who have had Beginning Ballroom Dance.

CUL 150. DINING ROOM MANAGEMENT 6 credit hours

Focusing on the point of sale, the students will be provided with an opportunity to apply managerial responsibility in the "front of the house."

Special emphasis is placed on various styles of table service sales and promotion, training, follow up and supervisory skills. Laboratory and lecture. (12 hours per week)

CUL 219. ELEMENTARY BAKING 4 credit hours

Prerequisite: CUL 111

A course in baking including yeast doughs, hot breads, muffins, puff pastry doughs, fillings, glazes, basic cake decorating and desserts. (6 hours per week)

CUL 220. ORGANIZATION & MANAGEMENT OF HOSPITALITY INDUSTRY 3 credit hours

Prerequisite: CUL 100

Types of organization and functions of management, tools of management recruitment, selection, training and evaluation, labor policies and collective bargaining, human relation techniques in personnel management.

CUL 222. QUANTITY FOOD PRODUCTION 6 credit hours

Prerequisite: CUL 111

Application of techniques learned in Elementary Food Production course. Students have opportunities throughout course to learn expert preparation of soups, sauces, meats, breads, desserts, salads, appetizers and vegetables. (14 hours per week)

CUL 228. LAYOUT AND EQUIPMENT 4 credit hours

Prerequisite: CUL 122

Designed to give necessary insight involved in establishing a restaurant or food service facility. Includes research, surveying, planning and construction of both menu and kitchen layout. (6 hours per week)

CUL 260. CATERING AND BANQUETS 3 credit hours

Prerequisite: CUL 111

The complete process of planning and servicing banquets will be taught; including use of facilities, promotion, menu planning, food purchasing costs, labor costs and production. The students will practice in actual development of banquets from inception to service.

DANCE (DN 16)

DN 101. BEGINNING MODERN DANCE I 2 credit hours

Warmup stretches, strengthening exercises and movement sketches introduce the student to the range of modern dance movement. Students learn to become aware of their own bodies and the infinite range of creative movement possible to them.

DN 223. DANCE EXERCISE II 1 credit hour

This class is designed for the student who is in reasonable physical shape. Students in this dance exercise class will learn choreographed warm-up, aerobic, reducing, and cool down routines that will help strengthen the heart and lungs and help keep the body flexible and toned. All routines are set to various types of music. To encourage students to develop a total fitness program, discussion of nutrition and the learning of simple relaxation techniques will be included.

DN 224. DANCE EXERCISE III 2 credit hours

Prerequisite: DN 123 and DN 223 or permission of instructor

This class is designed as a continuation of Dance Exercise I and II. It is a fitness maintenance class for those who have already been introduced to aerobic dance exercise. Students will learn choreographed warm-up, aerobic, spot reducing and cool down routines that will help strengthen the heart and lungs and help keep the body flexible and toned. All routines will be set to various types of music. To encourage students to develop a total fitness program, a small portion of class time will be devoted to a discussion of nutrition and the learning of a simple relaxation technique.

DENTAL ASSISTING (DA 51)

(Enrollment priority for these courses is granted students admitted to this program.)

DA 039. DENTAL ASSISTANT REVIEW 1 credit hour

Prerequisite: Graduate or OJT Dental Assistant

This course will provide a prospective candidate for a dental assistant credentialing exam an opportunity to review course materials; gain knowledge about test taking; take a simulated exam; examine areas of need prior to taking a credentialing exam.

DA 110. INTRODUCTION TO DENTAL ASSISTING 3 credit hours

Prerequisite: Admission to the Dental Assisting Program

This course is an orientation to dental assisting. This is a study of the history of dentistry, professional organizations, ethics, and the role of the modern dental health team. The student will be introduced to the dental operatory, equipment, and basic procedures used in four-handed dentistry. Each student will be assigned to clinical experiences in the Washtenaw Community College Dental Clinic.

DA 111. DENTAL SCIENCE 4 credit hours

Prerequisite: Admission to the Dental Assisting Program

This is an introductory course to head and neck anatomy. This is a study of skull and facial bones, masticatory muscles, oral anatomy—hard and soft tissues, anatomical nomenclature, tooth development and morphology, tooth surface annotation, cavity classification, occlusion and malocclusion, dental caries and fluoride.

DA 113. DENTAL MATERIALS 2 credit hours

Prerequisite: Admission to the Dental Assisting Program

This course is designed to give the dental assistant student a general knowledge of the uses and properties (chemical and physical) of the most commonly used dental materials.

DA 114. CLINICAL DENTAL ASSISTING 3 credit hours

Prerequisite: Admission to the Dental Assisting Program, a 2.0 Grade Point Average in DA 110

This course is an introduction to the clinical role of the dental assistant. It is a study of the procedure and instrumentation of common dental operative procedures. The student will be introduced to the basic techniques used in the operative procedures. Each student will be assigned to clinical experiences in the Washtenaw Community College Dental Clinic.

DA 120. ORAL DIAGNOSIS 2 credit hours

Prerequisite: A 2.0 Grade Point Average in DA 111 and DA 114

A clinical course designed to actively involve the student in applying their knowledge of recording diagnostic data and treatment plans. Complete clinical records including referral letter will be written on actual clinical cases being treated in the College Dental Clinic. Each student will be assigned to clinical experiences in the Washtenaw Community College Dental Clinic.

DA 224. EXPANDED DUTIES 3 credit hours

Prerequisite: A 2.0 Grade Point Average in all Dental Assisting courses

A course designed to provide dental assisting students with knowledge and skill in performing intraoral functions as outlined in the Michigan State Dental Practice Act.

ECONOMICS (EC 02)

EC 111. CONSUMER ECONOMICS 3 credit hours

A general education course in economics relating to the consumer, production, national income and growth, banking and credit, markets and prices. For those not majoring in Business Administration or Social Science.

EC 211. PRINCIPLES OF ECONOMICS I 3 credit hours

Study of the American economic system including the nature of economics, resources, business organization in the United States, pricing and allocation of resources, distribution of income. Required of all Business Administration transfer students. This course is also taught as a television course using the program series "The Money Puzzle."

EC 222. PRINCIPLES OF ECONOMICS II 3 credit hours

Prerequisite: EC 211

Continuation of principles including money, banking, price levels, volume of economic activity, public finance, international economics and economic growth. Required of all Business Administration transfer students.

ELECTRICAL / ELECTRONICS (EE 65)

The Electrical/Electronic Department is unable to offer every class every semester due to space and faculty limitations. Students should use the following information in planning their schedules.

The following courses are normally offered in the Fall, Winter and Spring-Summer Terms:

- EE 101. Servicing Techniques I
- EE 110. Electrical Applications I
- EE 111. Electrical Fundamentals I
- EE 120. Electrical Applications II
- EE 122. Electrical Fundamentals II
- EE 127. Industrial Electricity
- EE 137. Switching Logic
- EE 139. Computer Systems I
- EE 211. Basic Electronics

The following courses are normally offered in the Fall Term only.

- EE 230. Computer Systems II
- EE 200. Circuit Analysis
- EE 210. Measurements and Instrumentation
- EE 220. Electrical Installation
- EE 221. Computer Peripherals
- EE 222. Digital Electronics I
- EE 241. Digital Electronics II

The following courses are normally offered in the Winter Term only.

- EE 102. Servicing Techniques II
- EE 235. Computer Systems III
- EE 238. Electronic Analog Circuits
- EE 239. Design Practices and Standards
- EE 240. Career Practices Seminar
- EE 250. Microprocessors

EE 101. SERVICING TECHNIQUES I 4 credit hours

Corequisite: EE 111

Development of techniques for service and maintenance of electrical/electronic systems. Use and care of tools and measuring instruments. Splicing, soldering, simple printed circuit layout and fabrication. The study of and working with materials and circuits found in residential wiring systems and common electronic equipment. Lecture and Lab. (6 hours per week)

EE 105. INTRO TO TELECOMMUNICATIONS 3 credit hours

Covers topics such as structure of the industry; telephone; telecommunications networks; data communications concepts; data communications systems; telecommunications services; telecommunications management; traffic engineering; telephone rates; new developments; and definitions.

EE 120. ELECTRICAL APPLICATIONS II 2 credit hours

Prerequisite: EE 111 and 110

The analysis of A.C. and D.C. circuits using the "j" operator and basic network theorems. Parallels Electrical Fundamentals 122. Required in all EE Associate degree programs. (3 hours per week)

EE 122. ELECTRICAL FUNDAMENTALS II 4 credit hours

Prerequisite: EE 111, MTH 151

Basic electrical theory and practice designed to provide more detailed consideration of the origin, effects and interactions of resistance, inductance, capacitance and magnetism in electrical circuits. Also includes basic generation of A.C. and D.C. electrical power and the operations of transformers. Basic theorems for circuit analysis introduced and employed. Lecture and Lab. (6 hours per week)

EE 123 FUNDAMENTALS OF ELECTRICITY 8 credit hours

An introductory course in electricity. Topics include D.C. and A.C. circuits, ohm's law, Kirchhoff's laws, superposition and Thevenin's theorems, and "j" operator. Lab topics include wiring circuits and measuring voltage, current, resistance, and waveforms. Lecture and open labs.

EE 123A. FUNDAMENTALS OF ELECTRICITY, PART A 5 credit hours

The first half of Fundamentals of Electricity 123. Topics include D.C. circuits superposition, Thevenin's and Norton's theorems, Kirchhoff's laws. Laboratory topics include wiring circuits and making current measurements with laboratory test equipment.

EE 131. PROGRAMMABLE CONTROLLERS 4 credit hours

Prerequisite: EE 110, 111, 134

This is a course in automatic machine control. Topics include I/O devices, number systems and codes, logic concepts, P/C hardware components, P/C software components, ladder diagrams, symbols, and typical PC control functions.

EE 137. SWITCHING LOGIC 3 credit hours

Prerequisite: One year high school algebra or math proficiency test; Corequisite: EE 111 or consent

Fundamentals of digital logic: number systems, digital codes, Boolean algebra, and gate minimization techniques. The functional and logical operations of basic logic gates, combinational logic, flip-flops, sequential logic, memories and arithmetic logic are studied. Lecture and Lab. (4 hours per week)

EE 139. COMPUTER SYSTEMS I 4 credit hours

Prerequisite: EE 137; preceded or accompanied by EE 211

This course is an introduction to the physical and logical makeup of a computer system. The major functional units of a computer system and their relationship with each other are examined. Topics include coding systems, data storage, data representation, central processor architecture, input/output devices, input/output techniques, bus structures, programming concepts, flow-charting, machine language programming and software components. The laboratory provides hands-on experience with computer equipment. Lecture and Lab. (6 hours per week)

EE 140. SOFTWARE CONCEPTS I 3 credit hours

Prerequisite: EE 137 and EE 139

An introductory course in computer software principles for computer maintenance technicians. Topics include algorithm development, step-wise refinement, solution of electrical circuit problems using a high level language, use of basic control structures of the language, development of consistent test cases and preparation of documentation.

EE 205. BASIC TELEPHONY 4 credit hours

Prerequisite: EE 105 and EE 122

The study of the components and operation of conventional telephone

sets, wireless telephones, key systems and PBXs will be covered. Switching and signaling fundamentals will be introduced as well as the components of the Central Office. Transmission medias will also be covered.

EE 211. BASIC ELECTRONICS 4 credit hours

Prerequisite: EE 111, MTH 151

Semiconductor devices and circuits. Semiconductor materials, the PN junction diode, power supplies, bipolar junction transistor, characteristic curves, operating regions, common-emitter circuit, common-base, common-collector circuits, transistor switch, small signal amplifiers, load lines, biasing techniques, temperature characteristics and trouble shooting procedures. Lecture and Lab. (6 hours per week)

EE 221. COMPUTER PERIPHERALS 3 credit hours

Prerequisite: EE 139

Input/output devices of a typical computer system including printers, displays, tape and disc drives. The lecture includes the theory of operation of the devices, their control units and their interaction with the central processor. The laboratory activities are presented with the object of stressing the mechanical, electronic and logical principles of operation. Fall offering. (4 hours per week)

EE 222. DIGITAL ELECTRONICS I 4 credit hours

Prerequisite: EE 122, 137, 211

Theory, analysis and application of pulse and digital circuits. Includes pulse parameters, waveform analysis, RC integrators, RC differentiators, clippers, clamping, the bipolar junction transistor inverter, the CMOS inverter, flip-flops, the Schmitt trigger, sweep and sampling circuits. Lecture and Lab. Fall offering. (6 hours per week)

EE 230. COMPUTER SYSTEMS II 4 credit hours

Prerequisite: EE 139 and EE 211

The operation, servicing and troubleshooting of a digital computer system based on the PDP-11 minicomputer. This course emphasizes the operation of the CPU, and the topics include addressing modes, instruction sets, assemble language programming, business operation, CPU organization, main memory, I/O techniques and PDP-11 families. Lecture and Lab. (6 hours per week)

EE 235. COMPUTER SYSTEMS III 4 credit hours

Prerequisite: EE 230 and EE 241

A more detailed study of digital computer system operation and servicing based on the PDP-11/40 system. Topics include mainframe maintenance, peripheral devices and interfacing, disk operation, troubleshooting techniques and use of diagnostic programs. Lecture and Lab. (6 hours per week)

EE 240. CAREER PRACTICES SEMINAR 2 credit hours

Covers career options available in the electrical/electronic industry, professional ethics, customer relations, hiring practices, resume preparation, interviewing skills, salary negotiations, how to succeed on the job, how to increase productivity and how to develop a career plan. Winter offering. (2 hours per week)

EE 241. DIGITAL ELECTRONICS II 4 credit hours

Prerequisite: EE 222; preceded or accompanied by EE 222

Digital electronic circuits. The characteristics of modern integrated circuits and applications in digital systems. The operation, important electrical parameters, and application of basic logic gates with emphasis on the TTL and CMOS logic families. Extensive use made of manufacturer's specification sheets. Digital adders, subtractors, shift registers, counters, timing circuits, decoders, encoders, memories and control waveform generation. Experience in the use, operation, testing and troubleshooting of integrated logic circuits. Lecture and Lab. Winter offering. (6 hours per week)

EE 250. MICROPROCESSORS 4 credit hours
Prerequisite: EE 137, 139, 211

An introductory technician level course on the theory, hardware, software and applications of microprocessors. Includes microprocessor architecture, programming, input/output interfacing and peripherals. Laboratory exercises emphasize the Intel 8080 microprocessor chip that contains an 8-bit data bus and a 16-bit address bus. Lecture and Lab. Fall offering. (6 hours per week)

EMERGENCY MEDICAL TECHNOLOGY (EMT 55)

EMT 101. EMERGENCY MEDICAL TREATMENT PRINCIPLES I 3 credit hours

Theoretical aspects of Basic Life Support including C.P.R., cardiac care and adjunctive devices used in field EMT practice. Diagnostic skills, medical emergencies and environmental emergencies discussed by experts in the field. Concepts on water safety, practical aspects of auto extrication among other basic principles are included in lecture sessions.

EMT 102. EMERGENCY MEDICAL TREATMENT TECHNIQUES I 3 credit hours

Corequisite: EMT 101, 105

Correct procedures of emergency intervention learned through laboratory and field exercises. Emphasis placed on techniques such as cardio-pulmonary resuscitation, treatment of soft tissue injuries, burns, spinal and head injuries, shock, fractures, emergency childbirth, automobile extrication, backboarding and water safety.

EMT 105. PATIENT CARE PROCEDURES 3 credit hours

Corequisite: EMT 101, 102

Course includes patient assessment and diagnostic techniques, patient handling skills and some lab practice in basic techniques such as taking vital signs, airway management, special interview skills, etc. Also included are several hours of observation time in a hospital emergency room. (3 hours per week)

EMT 115. EMERGENCY MEDICAL TECHNOLOGY SPECIALIST 5 credit hours

Corequisite: EMT 103, 104

This course is designed to provide currently licensed Emergency Medical Technicians with the additional skill and knowledge necessary for them to fulfill the role of Emergency Medical Technician Specialists within a limited advanced life support system.

EMT 120. AMERICAN RED CROSS FIRST AID 3 credit hours

Consists of lectures, textbooks and practice work in first aid outlined by the American Red Cross. A certificate awarded to each student completing the course successfully.

EMT 134. ADVANCED FIRST AID 3 credit hours

The course provides the student with information necessary to improve and develop first aid knowledge, skill, ability and personal judgment. Upon successful completion the student will be awarded certification by the American Red Cross. Classroom is devoted to didactic and practical objectives.

ENGLISH (ENG 24)

ENG 010. WRITING PRACTICUM 1 credit hour

Provides individualized instruction in a particular writing skill. Students may be referred to this course by their instructor to remove a specific deficiency in their writing. Students may enroll in course to improve writing or receive help in completing writing assignments in English or other college courses requiring writing.

ENG 015. TEXT EDITING 1 credit hour

Provides individualized, self-paced instruction in using the computer to edit papers, letters, memos and other written communication. Students begin by learning basic editing functions on the Apple IIe and practicing with assigned texts. Students finish the course by editing their own writing. Instruction is based on student's interest and may include use of graphics

software, spellers and text editor. Students do all of their work in the Writing Lab, at their own pace, in consultation with a Writing Lab instructor.

ENG 030. ENGLISH FOR THE FOREIGN BORN I 2 credit hours

Individualized instruction for foreign-born residents who wish to feel more comfortable and confident in their English skills, with special application to personal, social, and business situations. Offers extensive practice in understanding, speaking, pronouncing, and writing basic American English. Special attention to spelling and daily usages.

ENG 031. ENGLISH FOR THE FOREIGN BORN II 2 credit hours

A continuation of all the areas covered in English 030.

ENG 040. BASIC WRITING — ESL 4 credit hours

Prerequisite: Score of 75 on English Placement Test or approval of instructor. Corequisite: ENG 000

Developing skills in formal written English for non-native speakers of English. Emphasizes rhetorical structures, vocabulary, and a review of individual problem areas in grammar.

ENG 050. BASIC WRITING I 4 credit hours

Corequisite: ENG 000

For students not prepared for the regular English college parallel composition class. Students work at their own speed with materials appropriate to their capabilities. Emphasis on sentences and paragraphs.

ENG 051. BASIC WRITING II 4 credit hours

Corequisite: ENG 000

A continuation of English 050 with an individualized program of studies in basic writing skills.

ENG 091. WRITING FUNDAMENTALS 4 credit hours

Corequisite: ENG 000

A course for writers who have mastered most of the grammar and mechanics skills (spelling and punctuation) necessary for successful college writing. Course focuses on longer paragraph and short narrative essays. Individualized instruction provided to prepare student for a 100-level writing course. Student must select a writing lab section with this course.

ENG 100. COMMUNICATION SKILLS 4 credit hours

Corequisite: ENG 000

Students receive practice in a variety of writing assignments relevant to their program area. Assignments include letter writing for a variety of situations (eg. job application, complaint, commendation, courtesy), memos written in response to situations students are likely to encounter on the job, resumes fitted to the student's particular background (work and educational experience), and other writing forms. During the first week of class, students must demonstrate a writing proficiency at the ENG 091 level. Primarily for native speakers of English. Students must select a writing lab section with this course.

ENG 102. LIBRARY/RESEARCH PAPER 1 credit hour

Individualized instruction for the student engaged in preparing a research paper for any WCC class. Step by step help in topic selection, information gathering and organizing, compiling notes, writing a term paper and preparing a bibliography.

ENG 107. TECHNICAL COMMUNICATIONS 3 credit hours

Corequisite: ENG 000

A continuation of writing skills and situations presented in ENG 100, Communication Skills. Emphasis on writing longer and more sophisticated occupational communication and oral presentations.

ENG 111. COMPOSITION I 4 credit hours

Corequisite: ENG 000

Developing skills in written composition (from paragraphs to expository essays and documented papers), logical thinking and reasoning, and critical reading. Methods of organization and development. Students write both in-class and outside themes frequently. Reading materials serve as basis for papers and for classroom discussions.

ENG 122. COMPOSITION II 3 credit hours

Prerequisite: ENG 111

A continuation of English 111 with emphasis on research and critical literary papers along with narrative and persuasive writing.

ENG 145. WOMEN WRITERS 3 credit hours

A survey of poetry, fiction, drama and essays by women, with an emphasis on 20th Century writers. Explores the writings of women authors and what those authors have to say about themselves and the world around them.

ENG 160. INTRODUCTION TO LITERATURE: POETRY AND DRAMA 3 credit hours

Study of poetic and dramatic literature designed to give an understanding of literature through close reading and discussion of selected works of poetry and drama. In both English 160 and 170 students are encouraged to evolve criteria for assessing the value of literary works. Specially designated sections of English 160 emphasize poetry or drama.

ENG 170. INTRODUCTION TO LITERATURE: SHORT STORY AND NOVEL 3 credit hours

Students explore short stories and the novel as they provide blueprints for living, self-discovery and recreation. Each student helped in strengthening reading and writing skills. Specially designated sections of English 170 emphasize popular literature, science fiction, biography, mystery, westerns or images of women in literature. Readings and discussion consider the cultural relevance of writings and the structural design and the effects upon the reader.

ENG 200. SHAKESPEARE 3 credit hours

Introductory reading and discussion of the varieties of Shakespeare's plays: comedy, history, tragedy and dramatic romance. All periods of Shakespeare's work represented. Wherever possible, the opportunity to witness performances, either live or on film, is made available.

ENG 210. CHILDREN'S LITERATURE 3 credit hours

Survey of prose, poetry and illustrated books suitable for the preschool, elementary, and early adolescent child. Required of students entering elementary education. Also for library studies or work, teacher aide program, nursery and day care work and as general education for parents.

ENG 211. AMERICAN LITERATURE I 3 credit hours

Our nation's literature from the beginnings to the Civil War, stressing the major authors of the period. Relates trends of the period to contemporary problems and readings.

ENG 212. ENGLISH LITERATURE I 3 credit hours

English literature from the Anglo-Saxon period through the Eighteenth Century. Readings stress the major authors from Chaucer to Johnson.

ENG 213. WORLD LITERATURE I 3 credit hours

World Literature 213 and 224 is a sequence which attempts an approach to the eternal values of man through literary masterpieces written from the time of ancient Greece to the present.

ENG 260. JOURNAL WORKSHOP I 3 credit hours

Prerequisite: ENG 111

Workshop features intensive in-class writing as a means to self-reliance and self-discovery. Students begin lifelong habit of reflection and writing. Journals remain confidential but students are required to write additional papers about the problems and experiences encountered when attempting to reflect the movement and continuity of their inner lives. Student descriptions of this class are available in the Writing Lab. This course transfers to four-year colleges.

ENG 261. JOURNAL WORKSHOP II 3 credit hours

Prerequisites: ENG 260

A continuation of English 260 Journal Workshop, for students who have already completed 260, and who wish to continue to develop their skills and produce additional written work.

ENG 270. CREATIVE WRITING I 3 credit hours

A course in the fundamentals of creative writing through the analysis of various forms of writing and frequent written exercises in poetry, fiction,

basic playwriting and non-fiction. Students encouraged to develop writing skills according to personal interests and abilities. A course assumption is that understanding of the skills involved in creative writing promotes better reading of literature. Also designated for persons seeking an avocation in creative writing with interest in learning the fundamentals of the craft.

ENG 271. CREATIVE WRITING II 3 credit hours

Prerequisite: ENG 270

A continuation of English 270, Creative Writing, for those students who have already completed 270 and who wish to continue to develop their skills and produce additional written work.

**FINANCE
(FIN 43)****FIN 100. PERSONAL AND CONSUMER FINANCE** 3 credit hours

Role of the individual as consumer; cost of establishing and maintaining a household; problems of personal consumer credit; installment buying; taxes; basic finance concepts; insurance; investments; health services; governmental influence and protection; personal-consumer savings; banking.

FIN 220. PRINCIPLES OF FINANCE 3 credit hours

Prerequisite: ACC 122

A survey of the whole field of finance, both private and public. Emphasis on nature and role of finance in our economy, monetary system of the United States, commercial banking, Federal Reserve System, savings, nature of business financing, international finance, nature of consumer credit, interest rates and money markets and financing state and federal governments.

**FIRE PROTECTION
(FP 79)****FP 100. INTRODUCTION TO FIRE PROTECTION** 3 credit hours

Prerequisite: Consent of department

The history and development of fire protection, the role of the fire service in the development of civilization; personnel in fire protection; introduction to general fire hazards; and the problems and possible solutions for current and future fire protection.

FP 101. HYDRAULICS I 3 credit hours

Prerequisite: Consent of department

Basic skills relevant to fire service hydraulics operation. Emphasis on types and styles of pumps, construction, testing and maintenance procedures.

FP 109. FIRE OPERATIONS STRATEGY 3 credit hours

Prerequisite: Hydraulics I

The aspects of tactics and strategy in extinguishing fires; pre-fire plans; organization of the fireground, including techniques of using available equipment and manpower; a study of conflagrations and the techniques of predicting fire severity. Emphasis will be placed on the development of thinking skills in relation to crisis. (3 hours per week)

FP 124. FIRE PROTECTION SYSTEMS I 3 credit hours

An introduction to the concepts of fire protection systems and their relationship to the control and extinguishment of fires. A review of extinguishing agents and their application. Study of sprinkler systems, automatic fire detection systems, and municipal fire alarm systems.

**FLUID POWER
(FLP 67)****FLP 111. FLUID POWER FUNDAMENTALS** 4 credit hours

Basic components of hydraulic and pneumatic systems as well as a general understanding of the basic laws and formulas. Pumps, control valves, actuators, ANSI symbols are used for circuit construction and print reading. Laboratory experiences include assembly and disassembly of components and construction of hydraulic circuits. (5 hours per week)

FLP 122. HYDRAULIC PUMPS 4 credit hours

Prerequisite: FLP 111 or consent

Experience with a variety of different types and styles of pumps including piston, vane, gear and combination pumps. Construction, testing and maintenance procedures, laboratory experiences. (5 hours per week)

FLP 202. PLUMBING AND PIPEFITTING II 4 credit hours

A continuation of Plumbing and Pipefitting 201 involving the study of water supply, waste disposal, drainage, venting, unit sanitation equipment and plumbing codes.

FRENCH (FRN 18)

FRN 111. FIRST YEAR FRENCH I 4 credit hours

Designed for those beginning or who wish to review their foreign language study. Emphasis on the oral-aural approach. A fully equipped language lab is used. (4 hours per week)

FRN 120. CONVERSATIONAL FRENCH 2 credit hours

Basic French course mainly conversational in approach, assumes no previous knowledge of the language, is chiefly for persons interested in adding to their enjoyment of foreign travel through a basic knowledge of spoken and written French, as well as an appreciation and awareness of contemporary French culture. French 120 may also be taken as a preview for students entering the First Year College French studies or students already enrolled in first year course.

FRN 213. SECOND YEAR FRENCH 3 credit hours

Prerequisite: FRN 122 or consent

A review of first year French language and culture, as well as an introduction to business and commercial French. Students with good high school backgrounds or previous language experience in French may be eligible for admission without French 111 and 122.

GENERAL STUDIES (GS 15)

GS 111. FIRST YEAR RUSSIAN 4 credit hours

A beginning course in Russian which emphasizes the aural-oral approach. Classroom work and language laboratory sessions assist the student in establishing and perfecting basic conversational tools in the language. No prerequisite is necessary.

GEOGRAPHY (GEO 03)

GEO 100. GEOGRAPHY AND ENVIRONMENT 3 credit hours

Survey of contemporary global society by region; emphasizes economic development as related to water, soil, climatological, mineral, and historical influences.

GEOLOGY (GLG 34)

GLG 100. INTRODUCTION TO THE EARTH SCIENCES 4 credit hours

For students who desire to obtain a broad perspective of the science. Practical training in earth science, including work with soils, minerals, glaciers, volcanism, maps, meteorology, astronomy, and oceanography and a field trip to points of interest is included in the three hour weekly laboratory. (5 hours per week.) This course is also taught as a television course using the program series "Earth, Sea and Sky."

GLG 125. HISTORICAL GEOLOGY 4 credit hours

Prerequisite: GLG 114

Development of North America as a typical continent, covering the formation of mountains, plains, and evolution of life on land and water, and the identification of fossils and interpretation of geologic maps. Field trips are involved. (5 hours per week)

HEALTH SCIENCE (HS 56)

HS 039. ANATOMY AND PHYSIOLOGY REVIEW FOR PATHOPHYSIOLOGY 1 credit hour

Corequisite: HS 200

Overview of anatomy and physiology principles for students in HS 220. This course does not teach basic anatomy and physiology. It presents a review that corresponds with systems taught in HS 220.

HS 113. INTRODUCTION TO MEDICAL SCIENCES 2 credit hours

This course provides an overview of the health professions, how and why diseases occur, vital signs, death and dying. The course content may vary according to student interest.

HS 115. MEDICAL OFFICE AND LABORATORY PROCEDURES 3 credit hours

Course consists of lecture on office examining room procedures, sterile technique, medical emergencies, specimen collection and minor surgery. Laboratory experience course material from the lectures.

HS 117. NUTRITION 2 credit hours

Presents normal nutrition and its relation to health. Includes nutritional needs for various age groups and introduces therapeutic nutrition. Emphasis on the importance of nutrition in the growth and functioning of the human body.

HS 147. GROWTH AND DEVELOPMENT 3 credit hours

Corequisite: Nursing students or consent of faculty

Study of the physical, psychological and social growth of the individual from birth to death. Includes the study of the family in society.

HS 220. PATHOPHYSIOLOGY 4 credit hours

Corequisite: Nursing students or consent of faculty

The focus of this course is the study of disease processes in humans. The course includes identification of the etiology and pathogenesis of disease, alterations in normal body function, and the reaction and adaptation of the body to disease.

HS 244. MEDICAL ETHICS 2 credit hours

Corequisite: Nursing students or consent of faculty

Exploration of various philosophies of ethics (Kantian, utilitarian, natural law). Models for decision making using a multifaceted approach and incorporating philosophy, values clarification, and legal aspects, will be used to examine current ethical issues. Among topics to be discussed are: patient rights, confidentiality, informed consent, abortion, genetic manipulation, experimental procedures, treatment of defective newborns and euthanasia.

HEATING (HTG 81)

The following list of heating courses are offered primarily as trade-related instruction to train and up-grade individuals currently employed in licensed occupations; i.e., heating/air conditioning or as boiler operators in power plants. Courses are theory presentations with little or no laboratory. Students who desire to enter these occupations are welcome providing they understand the nature of the courses. Consult the program advisor as to licensing requirements and qualifications.

HTG 103. POWER PLANT ENGINES AND TURBINES 3 credit hours

Prerequisite: HTG 102 or consent

Principles of operation and maintenance practices of steam engines and turbines are presented. Studying construction, mechanisms, engine indicators, governors, engine rating and efficiency.

HTG 106. POWER PLANT ELECTRICITY I 3 credit hours

Prerequisite: Employed Operating Boilers or consent

Introduces operator to basic electricity and the basic application of electrical measuring instruments including: basic terms, volts, ohms, amps, power factors, AC and DC principles, single and 3 phase circuits, motor protectors (fuses, heaters, breakers, etc.) sub-stations, transformers, etc.

HTG 122. HEATING SYSTEMS 5 credit hours

Prerequisite: HTG 111 or consent and Refrigeration Service Engineers Society membership

Building upon Heating 111, Heating Systems covers applications, installation and start-up of heating equipment, oil, gas, electric warm air and hydronic.

HTG 215. HEAT PUMP SERVICING 5 credit hours

Prerequisite: Refrigeration Service Engineers Society membership and demonstrated knowledge of basic refrigeration, air conditioning and electricity through a prerequisite test.

Review of fundamentals, understanding heat loss/gain, heat pump principles, heat pump application and installation, compressors, refrigerant reversing components, wiring, auxiliary heaters, defrost controls, electrical controls, air distribution, equipment performance, troubleshooting, and customer relations. Upon examination the individual will be awarded a certificate of completion, with the stipulation that he or she will be required to reappear for the examination every three years.

HISTORY (HST 04)

HST 101. WESTERN CIVILIZATION TO 1600 3 credit hours

Development of the cultures and institutions of the ancient Near East and Classical, Medieval and Renaissance civilizations.

HST 102. WESTERN CIVILIZATION FROM 1600 TO THE PRESENT 3 credit hours

Cultural developments and the growth of institutions from the Renaissance to the present. Emphasis on the expansion of European civilizations.

HST 200. MICHIGAN HISTORY 3 credit hours

Major economic, social and political developments in Michigan from pre-historic times to the present. Emphasis on period prior to Twentieth Century.

HST 201. UNITED STATES HISTORY, 1500-1865 3 credit hours

The American peoples and their growth from early colonization to the close of the Civil War. Re-examining both the dominant themes in American life as well as the conflicts oppressed minorities faced in seeking their needs and ambitions in America.

HST 202. UNITED STATES HISTORY, 1865-PRESENT 3 credit hours

American society and politics since the Civil War. Examination of social and cultural unrest of growing America to better understand and to deal with stresses of the present. A continuation of U.S. 1500-1865.

HOTEL / MOTEL MANAGEMENT (HMT 75)

HMT 100. HOSPITALITY INDUSTRY ACCOUNTING 3 credit hours

Provides basic knowledge of bookkeeping and accounting skills and orientation to office procedures as related to hospitality industry.

HMT 223. PRACTICUM IN LODGING MANAGEMENT 3 credit hours

Three hundred hours of actual work experience in the hospitality industry. Supervised application of theory in practical situations. (20 hours per week)

HMT 230. HOSPITALITY LAW 3 credit hours

Contract Law as a foundation for anticipating legal difficulties and making the best use of legal advice. Functional hotel problems, policy problems, and the legal resolution of a controversy. The origin and development of common statutory and constitutional law and of the functioning of the judicial system.

HUMANITIES (HUM 22)

HUM 101. INTRODUCTION TO HUMANITIES 3 credit hours

Exploration of the humanities considering the creative nature of man with its focus on art, literature, music, philosophy, human thought and man's relationship to his culture.

HUM 150. INTERNATIONAL CINEMA 3 credit hours

A survey of important foreign films and film makers. Emphasizes development of the art of seeing, the heightening of the student's appreciation of the nature of the film medium.

INDUSTRIAL DRAFTING AND DESIGN (ID 63)

ID 100. TECHNICAL DRAWING 4 credit hours

An introduction to the graphic language, use of drafting materials and instruments. Drawings will include geometry of technical drawing, orthographic views, auxiliary views, section views, pictorial drawings and developments. (6 hours per week)

ID 105. PICTORIAL DRAFTING 2 credit hours

Development of perspective and isometric drawings suitable for engineering studies, parts catalogs, and assembly and service manuals. Emphasis is placed on rapid methods of drawing development using typical manufactured parts as subjects.

ID 107. MECHANISMS 4 credit hours

Prerequisite: MTH 151 or consent

The principles of linkages, cams, displacements and motions, vectors and bolts, sprocket and gear drives computed and presented graphically.

ID 111. INDUSTRIAL DRAFTING I 4 credit hours

Prerequisite: ID 100 or consent

Standard drafting practices and procedures in the areas of material specifications, drawing numbering systems, preparation of tabulated drawings, auxiliary views, sectioning, screw threads and fasteners. Advanced dimensioning and tolerancing and the use of drafting materials in the preparation of assembly drawings, drawings and parts lists. (6 hours per week)

ID 112. DESCRIPTIVE GEOMETRY 4 credit hours

Prerequisite: ID 100 or consent

Points, lines and planes and their relationships in space. Emphasis on practical application of principles to actual problems in industry. (6 hours per week)

ID 212. THEORY OF DIES 2 credit hours

Prerequisite: For apprentices in Tool and Die Making

The nomenclature and the basic types, principles and standards used in the design of dies is studied. Special attention is given to the use of standard parts catalogs and the standard die detailing and assembly drawing practices. (6 hours per week)

ID 216. INTRODUCTION TO COMPUTER AIDED DESIGN 2 credit hours

Prerequisite: ID 100 or consent

The principles and applications of computer-aided drafting systems, familiarity with the hardware components of the CAD system. Use of the interactive graphic software, development of input and output skills, and familiarity with software, languages and systems hierarchy.

ID 217. INTRODUCTION TO 3-D CAD 2 credit hours

Prerequisite: ID 112 or equivalent, ID 216

A continuation of ID 216 which introduces the use of three axes to create drawings. Included also are the drafting of auxiliary views, schematics, and PCB layouts.

ID 219. 2-D CAD PLANNING AND DRAWING 3 credit hours

Prerequisite: ID 217 Intro. to CAD, or equivalent

Operation methods of a large CAD/D system. Emphasis is: start up, input and output skills as applied to typical 2-D drawings. Planning and flow processes are stressed.

INTEGRATED MANUFACTURING (IM 36)

IM 121. ROBOTICS I 3 credit hours

An introductory exposure to robotic components, capability and applica-

tion. The sociological impact of robots in the work place and economy will be reviewed.

IM 223. ROBOTICS III 4 credit hours

Prerequisite: Robotics I and II

The method of diagnosing problems relating to robotic functions and manipulators will be presented. Emphasis will be placed on servo-systems related to hydraulics. Air logic circuits will be designed and assembled. Special emphasis will be placed on programmable controllers and numerical control.

INTERNSHIP-EXTERNSHIP (IE 44)

IE 200. INTERNSHIP-EXTERNSHIP 2-6 credit hours

To be assigned prior to registration

Prerequisite: Consent of I-E Coordinator

Internships are for the purpose of acquiring work experience in the student's business-related occupational program area. Students are expected to work between 15 and 20 hours per week and attend a one-hour weekly seminar. Students in a two-year program must have completed a minimum of one year of their program before becoming eligible for Internship-Externship. Opportunities may be available on or off campus; however, there is no guarantee of placement. Normally students earn three credits each for I-E in Fall and Winter semesters and two credits each for Spring and Summer terms. A maximum of 12 credit hours may be applied toward the Associate Degree, and 6 credit hours toward a one-year Certificate of Achievement. Externships are programs of study designed for full time employees for occupational upgrading purposes and are integrated with their job activities. Students planning to enroll for Internship-Externship credit should first review their plans with their program advisor and with the Internship-Externship Coordinator to ensure proper program planning and to secure the appropriate permission.

MANAGEMENT AND MARKETING (MGT 47)

MGT 150. LABOR-MANAGEMENT RELATIONS 3 credit hours

Fundamental forces affecting the labor-management relationship. Development of insights into the growth, objectives and methods of organized labor and the significant managerial problems involved in dealing with labor. Analysis of the legal and institutional framework for collective bargaining; the nature, content, and problem areas of the collective bargaining process.

MGT 160. PRINCIPLES OF SALES 3 credit hours

Prerequisite: BUS 140

Principles and concepts of the sales function in modern business-industrial enterprise in the marketing of goods and services. Analysis of sales techniques, the sales "cycle," sales demonstrations, as well as personal career salesmanship. Emphasis on creativity in selling, and the impact of socio-economic and psychological factors related to consumer needs, motivations and product performance as they affect the sale of consumer and/or industrial goods and services.

**MGT 200. HUMAN RELATIONS IN BUSINESS
AND INDUSTRY** 3 credit hours

Prerequisite: BUS 140

Modern concepts of administrative principles and practices with emphasis on the human relations aspect of management responsibility as it affects employee attitudes, morale and productivity. Major emphasis on relationships among individuals and/or small groups, with problem-oriented sessions used to realistically relate the course materials to the human relations aspect of modern business-industrial enterprise.

MGT 208. PRINCIPLES OF MANAGEMENT 3 credit hours

"THE BUSINESS OF MANAGEMENT" is for the man or woman who has decided upon a career in business, government, or educational management. This television course provides a valuable introduction to the concepts of management and business. It is designed for the managerial candidate who is newly graduated or who has worked but not had formal training in business management as well as for the undergraduate student. The course is intended to provide essential skills in planning and organizing, staffing and

directing, controlling, decision-making, motivating, communicating and applying managerial skills to business and other types of organizations. This course is also taught as a television course using the program series "The Business of Management."

MGT 209. SMALL BUSINESS MANAGEMENT 3 credit hours

The application of the principles of management to the planning, organization and control of the small business enterprise. Practices and procedures pertaining to the establishment and operation of the small business firm. Factors influencing small business management: the small business environment; small business initiation; small business administrative and fiscal control; small business marketing programs and policies; small business operations management; small business legal and governmental relations.

**MGT 211. SMALL BUSINESS MANAGEMENT
FOR WOMEN** 4 credit hours

A combination of MGT 209 Small Business Management and WS 102, Growth Experiences for Women. Developed in conjunction with AAWC-JC specifically for women considering entrepreneurship.

MGT 220. WOMEN IN MANAGEMENT 3 credit hours

An inquiry into the economic and social factors affecting women in the workplace. An opportunity to become familiar with current literature on the working woman and to examine attitudes towards women and attitudes of working women. For women who have already started a career in management or who are planning to enter the management field.

MGT 230. SUPERVISORY MANAGEMENT 3 credit hours

The application of the principles of management to the planning, organization and control of work. Direction and control of services and performance, simplification of procedures and methods and the establishment of standards included.

MGT 240. PERSONNEL MANAGEMENT 3 credit hours

Prerequisite: BUS 140 and MGT 208

An exposition of the fields of activity covered in modern personnel work. Covers employment techniques, wages and hours, job evaluation, training, employer ratings, collective bargaining, employment counseling, and collateral benefits such as pensions and fringe benefits.

MGT 250. PRINCIPLES OF MARKETING 3 credit hours

The institutions and functions developed for carrying on commercial trade operations, retail and wholesale agencies, elements of marketing efficiency, the cost of marketing, price maintenance, unfair competition and the relationship of government to marketing.

MATHEMATICS (MTH 30)

MTH 038. BUILDING MATH CONFIDENCE 2 credit hours

This course will cover anxiety problems, calculator skills, story-problem techniques, graphing, logic and spatial relations.

MTH 039. BASIC MATHEMATICS 3 credit hours

A self-paced course taught in the Mathematics Laboratory. For the student who desires a review of basic arithmetical operations before studying another mathematics course. Does not meet the mathematics requirement of any one- or two-year occupational program. Includes whole number, common fractions, decimals and the three types of percent problems.

MTH 090. OCCUPATIONAL MATHEMATICS 3 credit hours

Prerequisite: MTH 039

A self-paced course taught in the Mathematics Laboratory. Fulfills the mathematics requirement of many of the one- and two-year occupational programs. Includes computational skills commonly encountered in occupational areas, practical algebra, solving simple equations, geometry, measurement, ratio and proportion, graphing and statistics.

MTH 097. INTRODUCTORY ALGEBRA 4 credit hours

Prerequisite: MTH 039

Beginning algebra; approximately equivalent to first-year high school algebra. Intended as a lead to Intermediate Algebra (Math 169) but also serves as a terminal algebra course for some programs of study. Includes properties of real numbers, operations with algebraic expressions, polynomials, solving simple equations, ratio and proportion, linear equations and inequalities, systems of equations, rational algebraic expressions, roots and radicals, quadratic equations, graphing and applications. (5 hours per week)

MTH 097A. INTRODUCTORY ALGEBRA 3 credit hours

Prerequisite: MTH 039

The first half of Introductory Algebra (Math 097). A self-paced course taught in the Mathematics Laboratory. Equivalent to first-semester high school algebra. Includes properties of real numbers, operations with algebraic equations, polynomials, rational algebraic expressions, roots and radicals, quadratic equations, graphing and applications.

MTH 097B. INTRODUCTORY ALGEBRA 3 credit hours

Prerequisite: MTH 097A

The second half of Introductory Algebra (Math 097). A self-paced course taught in the Mathematics Laboratory. Equivalent to second-semester high school algebra. Includes linear equations and inequalities, systems of equations, polynomials, rational algebraic expressions, roots and radicals, quadratic equations, graphing and applications.

MTH 114. COMPUTER ASSISTANCE FOR SPECIAL NEEDS 1-6 credit hours

Prerequisite: Instructor permission

This course provides assistance to students with special needs (i.e., strengthening in certain areas, handicapped students...) via microcomputers and/or terminals. The course is project oriented with activities centered primarily around mathematics classes. Projects include: typing notes and homework assignments, word-processing, writing computer programs, solving mathematical problems, using Data Base Management systems, and strengthening in a particular area. (6 hours per week)

MTH 151. APPLIED ALGEBRA 4 credit hours

Prerequisite: MTH 039

Designed for technical students. Includes percents, ratio and proportion, operations with algebraic expressions, solution of simple equations, solution of quadratic equations, graphing and trigonometric functions. (5 hours per week)

MTH 152. APPLIED GEOMETRY AND TRIGONOMETRY 4 credit hours

Prerequisite: MTH 097 or MTH 151

For technical students. Development of geometric and trigonometric concepts needed for solving technical problems of triangulation. Includes basic theorems of geometry, formulas for areas and volumes, trigonometric functions, solution of right triangles, law of sines and law of cosines and solution of oblique triangles.

MTH 160. BASIC STATISTICS 4 credit hours

Prerequisite: MTH 097

A non-theoretical introductory course for students in business, education, psychology, or a social science who need only one course in statistics. May serve as a stepping-stone to other more sophisticated statistics courses. Includes tabulation of data, graphic representation, measure of dispersion, probability, sampling, estimation of parameters, test of hypotheses and correlation.

MTH 163. BUSINESS MATHEMATICS 3 credit hours

Prerequisite: MTH 039

Designed for students on certain one- and two-year business programs. May also serve as a foundation for other mathematics courses in a transfer program. Emphasizes business applications. Includes algebraic concepts, measurement, the metric system, interest, payroll, discounts, installment purchases, graphs, and statistics.

MTH 165. HEALTH SCIENCE MATHEMATICS 3 credit hours

Prerequisite: MTH 039

Mathematics necessary for many health-related careers. Satisfies requirement for certain one- and two-year programs and is the foundation for more advanced mathematics used in four-year programs. Includes applications of fractions and decimals, percent, geometry, the metric system, the apothecary system, integers, equation solving, ratio and proportion, instrumentation, graphs, statistics and logarithms.

MTH 169. INTERMEDIATE ALGEBRA 4 credit hours

Prerequisite: MTH 097

A second course in beginning algebra equivalent to second-year high school algebra. Concepts developed in Algebra 097 are extended. Intended as lead to Precalculus (Math 179) but may also serve as a terminal algebra course for some programs of study. Includes properties of the real number system, polynomials, rational expressions, linear equations, linear inequalities, absolute value, radicals, complex numbers, quadratic equations and inequalities, functions and their inverses, systems of equations and determinants.

MTH 169A. INTERMEDIATE ALGEBRA 3 credit hours

Prerequisite: MTH 097

The first half of Intermediate Algebra (Math 169). A self-paced course taught in the Mathematics Laboratory. Equivalent to third-semester high school algebra. Includes properties of the real number system, polynomials, rational expressions, linear equations, linear inequalities and absolute value.

MTH 169B. INTERMEDIATE ALGEBRA 3 credit hours

Prerequisite: MTH 169A

The second half of Intermediate Algebra (Math 169). A self-paced course taught in the Mathematics Laboratory. Equivalent to fourth-semester high school algebra. Includes radicals, complex numbers, quadratic equations and inequalities, functions and their inverses, systems of equations and determinants.

MTH 177. TRIANGLE TRIGONOMETRY 3 credit hours

Prerequisite: MTH 097

Provides background in triangle trigonometry for study of physics and certain technical courses. Includes degree and radian measures, trigonometric functions, the pythagorean theorem, solving right triangles, the law of sines and the law of cosines, solving oblique and acute triangles, arc length and angular velocity, complex numbers, polar form of a complex number and vector applications. Use of a handheld calculator encouraged.

MTH 178. GENERAL TRIGONOMETRY 3 credit hours

Prerequisite: MTH 169

Intended for students who plan to study calculus. Trigonometric functions are presented both as circular functions and angular functions. Includes definitions of trigonometric functions, graphs of trigonometric functions, inverses of trigonometric functions, trigonometric identities and equations, solution of triangles and complex numbers.

MTH 179. PRECALCULUS 4 credit hours

Prerequisite: MTH 169

A college level algebra course designed to provide the algebra background needed for the calculus sequence. Also serves as a terminal algebra course, fulfilling the mathematics requirement of certain transfer programs. Includes set theory, properties of real numbers, relations and functions, graphs, rational functions, exponential and logarithmic functions, inverse functions, the remainder and factor theorems, and conic sections.

MTH 181. MATHEMATICAL ANALYSIS I 4 credit hours

Prerequisite: MTH 169

Linear equations and inequalities, vectors and matrices, linear programming, sets, probability. The first course of a two-course sequence, including 172.

MTH 182. MATHEMATICAL ANALYSIS II 4 credit hours

Prerequisite: MTH 169 and (MTH 167 or MTH 181)

A lower level calculus course with no trigonometry required. Business oriented. Not a part of a calculus sequence.

MTH 191. CALCULUS I 5 credit hours

Prerequisite: MTH 178 and 179

The first of a three-course sequence in elementary calculus. For the transfer student who plans to major in mathematics, science or engineering. Also serves as a terminal calculus course fulfilling the mathematics requirement of other programs of study. Includes continuity, limits, the derivative, the definite integral, and geometric and practical applications.

MTH 192. CALCULUS II 4 credit hours

Prerequisite: MTH 191

The second course of a three-course sequence in elementary calculus. Topics are: applications of the definite integral; differentiation and integration of exponential, trigonometric and hyperbolic functions; techniques of integration; sequences and series.

MTH 197. LINEAR ALGEBRA 4 credit hours

Prerequisite: MTH 191

For the student who has had at least one course in elementary calculus. Includes vector spaces, linear transformations, matrices, determinants, orthogonality and applications.

MTH 293. CALCULUS III 4 credit hours

Prerequisite: MTH 192

The third course of a three-course sequence in elementary calculus. Topics are: polar coordinates, indeterminate forms, Taylor's formula, vector calculus, calculus of several variables, multiple integration and applications.

MTH 295. DIFFERENTIAL EQUATIONS 4 credit hours

Prerequisite: MTH 192

Techniques of solving ordinary differential equations. Includes equations of the first order and first degree, equations of the first order and higher degree, linear differential equations. Applications from physics and chemistry part of the course.

MECHANICAL TECHNOLOGY (MT 68)

MT 100. MACHINE SHOP THEORY 3 credit hours

Precision and semi-precision instruments and their applications; and use of basic principles of machine tool operations. Films supplement the laboratory experiences.

MT 101. MILLWRIGHT THEORY 2 credit hours

Millwright practices encompassing major units such as millwright fundamentals, fiber and steel rope, hoisting, structural woods and steels, scaffolding, strengths of timber and metal beams, cranes and derricks, rigging, transporting heavy shop equipment, accident prevention, standards, laws and codes. Maintenance of bearings, belts, chain drives and conveyors included.

MT 103. INTRODUCTION TO MATERIALS 3 credit hours

Introduction to the basic terms, processes and structures of materials. Hardness testing, classification systems and demonstrations of testing equipment. Principles of heat treatments are studied and demonstrated. (3 contacts per week)

MT 111. MACHINE SHOP THEORY AND PRACTICES 4 credit hours

Precision and semi-precision instruments and their applications; basic principles of machine tool operation. Selected films used to supplement the laboratory experiences. Practical experience provided on the lathe, mill, shaper, drill press and surface grinder.

MT 122. MACHINE TOOL OPERATIONS AND SET-UP I 4 credit hours

Prerequisite: MT 111 or consent of the instructor

Students continue study of advanced lathe, mill, surface grinding and measurement techniques. In addition, I.D.-O.D. grinding, carbide tooling, turret lathe, optical comparator are presented. Students experience demonstrations, discussion and laboratory experience. (6 hours per week)

MT 123. MACHINE TOOL OPERATIONS AND SET-UP II 4 credit hours

A continuation of Mechanical Technology 122. Emphasis placed on the student's individual goals and proficiencies of specific machining operations. Student will choose a challenging product to manufacture using several advanced machining techniques to meet goals set by student. Gear cutting, I.D. grinding, EOM are emphasized. (6 hours per week)

MT 201. MACHINE TOOL TECHNOLOGY 4 credit hours

Prerequisite: MT 122

Advanced methods of setting up and operating common machine tools. Typical industrial applications to demonstrate measuring instruments, gauges, thread cutting, gear cutting, speeds and feeds, tolerances, tool grinding and indexing. (6 hours per week)

MUSIC (MUS 20)

MUS 102. STRING ENSEMBLE 2 credit hours

Prerequisite: Audition

A course in performance open to all students and public upon registration for class. May be repeated for credit up to a maximum of four times. (2 hours per week)

MUS 103. STAGE BAND: ENSEMBLE 1 credit hour

Prerequisite: Audition

A course in performance open to those who desire to read, improvise and perform. Audition necessary for registration. May be repeated for credit up to a maximum of four times. (2 hours per week)

MUS 106. JAZZ COMBO 1 credit hour

Designed for the musician with some degree of competency to gain experience and skill in performance and improvisation of different styles of jazz and blues. The group is a performing one and offers concerts in the community.

MUS 109. BRASS ENSEMBLE 2 credit hours

An ensemble course designed for brass quartets, quintets, depending on class instrumentation. This class is also a performing group.

MUS 136. GOSPEL CHORUS 1 credit hour

A course in gospel choral performance open to all students. This course can be repeated up to a maximum of six times.

MUS 140. BASIC MUSICIANSHIP 3 credit hours

Designed to give students, prospective teachers and others a foundation in music theory and reading, concepts of rhythm, tonality, music composition, and other techniques, with aim of developing musical skills and understanding. No musical experience necessary.

MUS 143. COMPOSITION: THEORY AND ARRANGEMENT 2 credit hours

Designed to enable students to develop skills and techniques in music composition, orchestration and arranging for all musical mediums.

MUS 146. CREATIVE IMPROVISATION: SONGWRITING 3 credit hours

For the prospective song writer, deals with lyric writing and musical accompaniment. Students collaborate using their talents to produce songs and also become acquainted with musical styles through recordings and demonstrations, and the music industry and its procedures concerning how to get a song published and recorded. Other areas of study include recording, the recording-studio, record pressing and copyright procedures.

MUS 147. SONGWRITING: ENTERTAINMENT LAW 2 credit hours

A music course for the serious music student and professional musician covering basic agreements (contracts), royalties, copyrighting and other legal aspects in the music industry.

MUS 149. SIGHT SINGING/EAR TRAINING 2 credit hours

An approach to listening to and reading music designed to develop composing and listening skills. An introduction in training the ear to identify intervals, chords, scales and chord progressions.

MUS 152. MUSIC THEORY I 3 credit hours

An in-depth study of melodic, harmonic and rhythmic aspects of tonal music related to various styles: European, rock, jazz, ballads and the Blues. Aimed to equip the student with a theoretical knowledge to extend and cultivate musical understanding and creativity while giving primary emphasis to the harmonic aspects of music.

MUS 157. JAZZ IMPROVISATION 2 credit hours

A course in jazz theory that provides the student with techniques of melody, harmony and rhythm that would excite spontaneous creativity in the jazz style.

MUS 170. AUDIO RECORDING TECHNOLOGY 3 credit hours

Designed to provide the student with the fundamentals necessary for a career-oriented study in creative audio recording. Audio-visual presentations of professional studio recordings and lectures on automated recording.

MUS 180. MUSIC APPRECIATION 3 credit hours

An introduction to music, using innovative techniques on how to listen to music after becoming acquainted with the socio-cultural values of the people who produced the many kinds of music in our world. All styles of music covered. Presentations deal with the growth and development of musical forms and different styles through recordings and demonstrations.

MUS 183. MUSIC OF THE AFRICAN-AMERICAN CULTURE 3 credit hours

An ethnomusicology approach to African-American music aimed to combine the resources of history, anthropology, psychology and musicology to examine the music and its meaning within Black cultures. Deals with the socio-cultural aspects of the Black man's life style, traditions and mores as the motivation for Black expression in the arts.

MUS 204. VOICE 2 credit hours

Vocal techniques in depth. An extension of Introduction to Voice.

MUS 206. VOCAL PERFORMANCE 1 credit hour

Learn techniques in performing songs. Opportunities to work with musicians, sound equipment and with groups.

MUS 210. FUNCTIONAL PIANO 2 credit hours

A piano class aimed to give non-piano majors and those who just want to play the piano the ability to read keyboard music harmonically and melodically. The course covers fundamentals of piano technique, basic musicianship, elementary keyboard harmony, sight reading, pedal technique, aids to memorization and keyboard application of subjects studied in music classes.

MUS 213. INTERMEDIATE PIANO 2 credit hours

A continuation of Music 210, this course provides piano studies beyond the elementary or beginning stage. For those with some experience in piano playing.

MUS 216. PIANO: JAZZ AND BLUES 2 credit hours

A piano course designed to cover such styles as Blues and elementary jazz improvisation techniques. Music theory in terms of chord progression and improvisational techniques will be part of the course of study.

MUS 225. BEGINNING JAZZ DRUM 2 credit hours

Rudimentary skills in jazz drumming. Includes study of historical styles such as Swing, Be-Bop, and South American and African rhythms. For the experienced drummer.

MUS 233. BEGINNING GUITAR 2 credit hours

Designed for those with limited or no experience playing the guitar. Basic chords and techniques as well as folk and Blues songs. Class keyed to interests and needs of students.

MUS 236. INTERMEDIATE GUITAR 2 credit hours

For the student with a basic knowledge of guitar playing. There will be opportunity to learn more difficult techniques as well as learning about song arrangements and some theory. Class will be keyed to interests and needs of students.

MUS 239. JAZZ GUITAR 2 credit hours

Designed to enable students to develop skills necessary to play the guitar in different jazz styles. Includes improvisation work and chording. Requires basic guitar playing experience.

MUS 242. BASS GUITAR 2 credit hours

A course in applied music (bass) designed specifically for jazz enthusiasts who want to learn techniques of jazz bass performance. Melodic, harmonic and rhythmic theory will be used to develop styles of jazz bass performance. You must have your own instrument.

MUS 249. INTRODUCTION TO JAZZ FLUTE 2 credit hours

An introductory course in jazz flute for students of varying ability.

MUS 250. BEGINNING FLUTE/SAX 2 credit hours

A beginning flute class to familiarize students with primary musical jargon and the basics of flute and sax playing. Basic flute playing will include sound production, reading musical notation, knowing flute and saxophone fingering, performance of basic major scales and a combination of reading and performance of simple tunes involving both classical and jazz music.

MUS 270. APPLIED VIOLIN 2 credit hours

A group instruction designed for community people who like to further their talents on the violin, learning more technical and musical skills to develop their abilities.

NUMERICAL CONTROL (NC 66)

NC 100. INTRODUCTION TO NUMERICAL CONTROL 3 credit hours

The principles, history and applications of numerical control with special emphasis on tape formats and programming techniques. Point to point and continuous path programs written, studied and demonstrated. (3 hours per week)

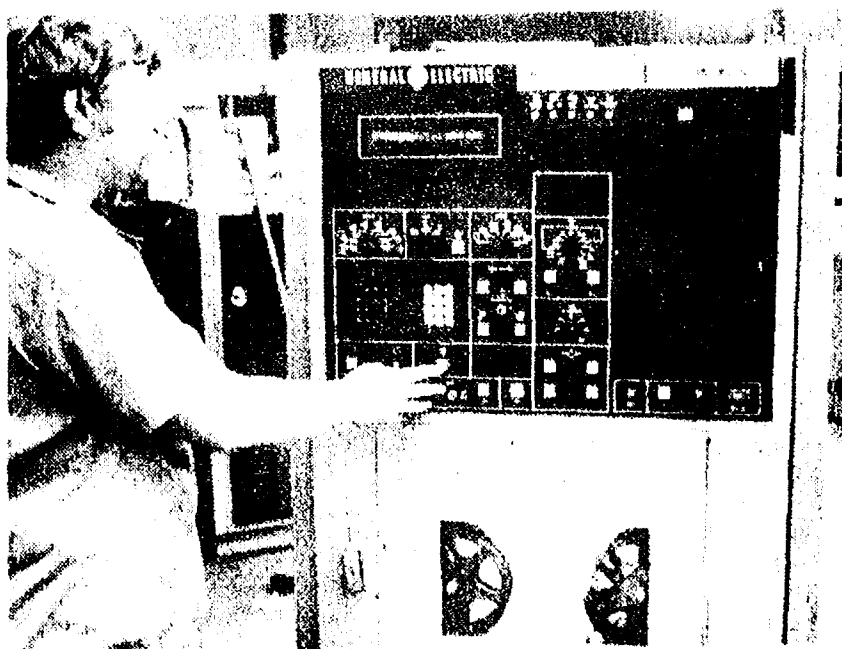
NC 111. MANUFACTURING PROCESSES FOR NUMERICAL CONTROL 4 credit hours

Numerical Control part hold techniques, feed and speeds for Numerical Control machining, cutting tools used for Numerical Control, stock removal techniques, and comparisons of manual versus computer programming. Special emphasis placed on part processing including per unit cost analysis. (4 hours per week)

NC 121. MANUAL PROGRAMMING AND NC TOOL OPERATION 3 credit hours

Prerequisite: NC 100, MTH 151, MT 111

The first in a two-course study of manual programming of CNC milling and turning machines. Student experience the entire process of part manufacture by processing blueprints of sample parts, writing and editing of programs, set up and operation of the machine tool, inspection of finished product.



**22. ADVANCED MANUAL PROGRAMMING
NC TOOL OPERATION**

3 credit hours

Prerequisite: NC 121, MTH 152

The second of a two-course study of Manual Programming and CNC Machine Tool Operation. Complex cutter path generation, cutter compensation, repetitive programming, multi-quadrant circular interpolation, three axis interpolation, threading, and other advanced programming techniques are practiced. The class format is similar to that of NC 121, and laboratory time outside of class is required.

NC 213. COMPACT II COMPUTER PROGRAMMING 4 credit hours

Prerequisite: NC 121 and NC 122

The Compact II language studied and demonstrated. Special emphasis placed on the use of the terminal and plotter to solve Numerical Control problems with the aid of Compact II. Computer tape preparation and verification techniques practiced. (4 hours per week)

NC 225. NUMERICAL CONTROL GRAPHICS 3 credit hours

Prerequisite: NC 213

Numerical Control graphic capabilities studied, demonstrated and practiced on all available terminals and plotters. Compact II and APT III Plotting packages both used. (4 hours per week)

**NC 227. NUMERICAL CONTROL COORDINATE
MEASUREMENT** 3 credit hours

A study of numerically controlled measuring instruments. Students will become proficient in programming and operating computer controlled inspection equipment. Courses taught on site at DEA Corporation, a large manufacturer of coordinate measuring instruments in Livonia.

**NURSING
(NUR 57)**

Enrollment for these courses is granted students admitted to this program. Courses must be taken in sequence outlined in the curriculum unless consent is obtained from the nursing division after review of previous transcripts.

NUR 039. STATE BOARD PREPARATION 1 credit hour

Prerequisite: Graduate of Level I or Level II nursing program or consent

Assists graduates of the Nursing Program to prepare for the State Board of Nursing Examination. Emphasis placed on reviewing learned materials and on taking national competitive examinations. (Limited to WCC graduates or by consent)

**NUR 100. NURSING FUNDAMENTALS
WITH LABORATORY** 5 credit hours

Presents principles of nursing with emphasis on social, psychological, and physical needs of the patient. Includes units on first aid, geriatric nursing, nursing history and organizations.

NUR 110. NURSING CLINICAL EXPERIENCE 1 credit hour

Supervised clinical experience in a long term health care facility applying basic nursing skills in simple nursing situations.

NUR 111. PHARMACOLOGY I 1 credit hour

Study of metric and apothecary systems, drug classification and legislation. Provides for practice in solving drug dosage problems. Introduces principles of safe drug administration.

NUR 118. PERSONAL AND COMMUNITY HEALTH 1 credit hours

Presents concepts of personal health. Survey of resources available in the community for the promotion of health. Includes survey of current public health problems.

NUR 144. PHARMACOLOGY FOR NURSES 5 credit hours

Prerequisite: LPN, RN, GPN, GN, or permission

Designed for LPNs, RNs, GPNs, or GNs who are currently practicing. Includes a study of safe drug administration, drug action therapy, as well as drug abuses. The student also receives laboratory practice in preparing and administering medicines. LPNs must take NAPNES' challenge exam at end of course. (5 hours per week)

NUR 200. NURSING ROLE TRANSITION 4 credit hours

Prerequisite: Successful completion of all Nursing 100 level courses or LPN accepted into Level II of the program

Study of nursing history and development of associate degree nursing programs, nursing roles, change theory and individual reactions to change. Also included will be an introduction to general systems theory and advanced study of the nursing process. The laboratory components will include nursing skills review/update, CPR update and nursing assessment practice.

**NUR 230. ADVANCED PARENT-CHILD
NURSING PRACTICE** 2 credit hours

Prerequisite: Successful completion of all Nursing 100 level courses or LPN accepted into Level II of the program, NUR 200; Corequisites: NUR 235

Application of parent-child nursing concepts developed in NUR 235. Includes hospital and community situations. Students will have experience with high and low-risk families across the childbearing cycle, including antepartum, intrapartum, and postpartum periods. Experience with the childrearing family will include opportunities for health teaching.

NUR 235. ADVANCED PARENT-CHILD NURSING 3 credit hours

Prerequisite: Successful completion of all Nursing 100 courses or LPN accepted into Level II of the program, NUR 200; Corequisite: NUR 230

Further study of the family with parent-child health related needs. Focus will be on emotional aspects of parenting, pregnancy, and health problems related to these processes. Family structure, function, and health teaching, including concepts of nutrition and normal growth and development, will be discussed.

**NUR 240. COMPLEX MEDICAL-SURGICAL
NURSING PRACTICE** 3 credit hours

Corequisite: NUR 245

This course emphasizes the application of the nursing process in meeting the common bio-psycho-social needs of individual adult clients who are experiencing complex medical-surgical problems with predictable outcomes in an acute care setting.

**NUR 245. COMPLEX MEDICAL-SURGICAL
NURSING THEORY** 3 credit hours

Prerequisite: Successful completion of all first and second semester Level II courses

This course emphasizes the theoretical base of nursing care aimed at meeting the common bio-psycho-social needs of individual adult clients who are experiencing complex medical-surgical problems with predictable outcomes in an acute care setting. The course is designed around six concepts, with the nursing process being the integrating thread.

**NUR 260. NURSING MANAGEMENT
AND TRENDS** 2 credit hours

Corequisite: NUR 200

This course includes leadership and management concepts in relation to organizing care of groups of patients. Emphasis will be placed on communication, decision making and motivation as it relates to entry level nursing responsibilities. Legal aspects of supervision will be studied, as well as trends and current problems in the nursing profession. Clinical practice of management skills will be integrated into the Complex-Medical-Surgical Nursing Practice.

**PHARMACY TECHNOLOGY
(PHT 58)**

PHT 104. PHARMACY FIELD EXPERIENCE 8 credit hours

Prerequisite: All first and second semester courses

Skills and knowledge acquired in the first two semesters of the program will be put into practice in both hospital and community settings. Students will spend 16 hours a week in a practice setting. All experience will be under the supervision of a registered pharmacist.

**PHILOSOPHY
(PHL 14)**

PHL 101. INTRODUCTION TO PHILOSOPHY 3 credit hours

The general nature of philosophical thought, its basic methods, problems.

goals. Includes representative philosophers and such classic philosophical problems as the meaning of existence, the nature of reality, criteria of morality and the nature of the human mind. Uses philosophical concepts to help understand oneself, other people and the world around us. Focuses on formulating and defending individual viewpoints and developing personal skills in abstract thinking.

PHL 250. LOGIC 3 credit hours

An introduction to the nature of logical reasoning, especially as found in examples of everyday thought. Studies the role of language in reasoning and communication, the influence of emotions on logical thinking and the nature of inductive as well as deductive reasoning. Emphasizes developing habits of good reasoning, as well as the ability to recognize and avoid bad reasoning.

PHOTOGRAPHY (PHO 72)

PHO 090. GENERAL PHOTOGRAPHY 2 credit hours

A course for individuals who have an interest in photography. Primary emphasis is on picture taking, composition, lighting, films, etc. No darkroom work is included in the course. Students should own or have the use of some type of camera.

PHO 101. PHOTOGRAPHY AND ENVIRONMENT 3 credit hours

A study of the methods of documenting various types of environments with the camera. This will include the recording of current environmental situations as well as presenting suggestions for improving undesirable conditions. Students must have their own 35mm or roll film camera and previous photo experience.

PHO 111. PHOTOGRAPHY 4 credit hours

Principles, practices, basic application and limitations of photography as a communication form used in business and industry. Assigned field practices in the use of the small format camera, composing, lighting, exposure and photo darkroom processing. (6 hours per week)

PHO 114. BASIC COLOR PHOTOGRAPHY 3 credit hours

Prerequisite: PHO 111

An introduction to the various color photography processes in common use today. Emphasis placed on the production of color transparencies, color negatives and color prints and off-easel color print correction techniques. (4 hours per week)

PHO 115. PHOTO RETOUCHING 2 credit hours

Prerequisite: PHO 111

Manual spotting techniques and associated materials as applied to the retouching and processing of photographic prints and negatives. (3 hours per week)

PHO 220. ADVANCED STUDIO TECHNIQUES 3 credit hours

Prerequisite: PHO 113

A detailed study of the various types of cameras and their uses. Roll and sheet film cameras emphasized as well as the more unusual applications of the medium format camera. (4 hours per week)

PHO 221. ADVANCED DARKROOM TECHNIQUES 3 credit hours

Prerequisite: PHO 113

Specialized instruction in the problems faced by the darkroom technician. How to produce acceptable results under difficult situations the major emphasis. (6 hours per week)

PHO 222. ADVANCED COLOR PHOTOGRAPHY 3 credit hours

Prerequisite: PHO 114

A continuation of the studies begun in Basic Color Photography 114. Emphasis placed on color correction from unusual situations and color distortion to achieve special effects and experience in automated color production techniques and equipment. (6 hours per week)

PHO 223. PHOTOGRAPHIC OCCUPATIONS 2 credit hours

A survey of photographic occupations with guest lecturers, field trips and discussion. (3 hours per week)

PHO 230. SPECIALIZED STUDIES IN PHOTOGRAPHY

2-5 credit hours

Credits to be assigned prior to registration

Prerequisite: Advisor approval only

An opportunity for students to work independently with faculty consultation in major areas of photography.

PHYSICAL EDUCATION ACTIVITIES (PEA 29)

PEA 105. INDEPENDENT SPORTS 2 credit hours

Provides opportunities for the student to become adept in one or more activities with high carry-over value, and acquire skills which will be a source of healthful and recreational exercise. These typically include classes for Archery, Bowling, Canoeing, Camping and Hiking, Golf, Karate, Racquetball, Tae Kwon Do and Tennis. (2 hours per week)

PHYSICS (PHY 35)

OPEN LABORATORY

Physics courses numbered 105, 111, 122, 131, 141, and 142 operate under an open laboratory format. This means that the laboratory is open from thirty to forty hours per week for students to use at their convenience. Laboratory equipment is set out at specified stations ready for use, and instructors are available.

PHY 105. INTRODUCTORY PHYSICS 4 credit hours

Prerequisite: MTH 090 or MTH 097

Designed for both transfer and vocational students who have had no previous physics. Course surveys the major topics of physics: motion, heat, waves, electricity, magnetism, light, atomic energy. A conceptual approach with a minimum of mathematics used to obtain a working knowledge of the principles of physics. This course will transfer as a general science or vocational credit. (Lecture, 3 hours open laboratory per week)

PHY 110. APPLIED PHYSICS 4 credit hours

Prerequisite: MTH 090

An introductory course for technical-vocational students with no previous physics course. Course surveys the major topics in physics: matter and measurements; mechanics; electricity and magnetism; heat and light. Important ideas of physics presented through laboratory experiments, supplemented by lectures and films. Technical vocabulary translated to understandable English with everyday work applications of the basic ideas of physics and how they affect our life and work. (6 hours per week)

PHY 111. GENERAL PHYSICS I 4 credit hours

Prerequisite: MTH 097, MTH 169 and MTH 177

For both pre-professional transfer students and liberal arts students. No previous physics necessary. Course surveys the topics of mechanics, heat and wave motion. Three hours of open laboratory each week enable students to learn the use of basic scientific instruments and the techniques used in the science laboratory. (6 hours per week)

PHY 131. PHYSICS FOR RESPIRATORY THERAPY 3 credit hours

Prerequisite: MTH 090

A one-semester course in basic physics, designed primarily for students in the respiratory therapy program. No previous knowledge of physics assumed. Topics discussed are the use of energy in body processes, mechanics of fluids, electrical devices used in the hospital and the effects of radiation on living matter. (2 hours discussion, 2 hours open laboratory per week)

PHY 141. RADIOLOGIC PHYSICS I 3 credit hours

Prerequisite: MTH 165

Physical principles underlying the operation of an X-ray machine discussed in lecture and illustrated in laboratory exercises. Basic concepts of mechanics, energy and electrical circuitry covered the first semester, to be followed by Physics 142. (2 hours discussion, 2 hours open laboratory per week)

PHY 211. ANALYTICAL PHYSICS I 5 credit hours

Prerequisite: PHY 105 and MTH 191

For students intending to major in science or engineering, and for those liberal arts students with calculus background. Uses calculus to develop concepts in mechanics, heat and wave motion. (3 hours laboratory, 4 hours lecture and recitation per week)

POLITICAL SCIENCE (PLS 05)

Political Science 108, 112, and 150 all meet the minimum requirements of Michigan Law for the Associate Degree.

PLS 108. GOVERNMENT AND SOCIETY 3 credit hours

Particular emphasis placed on the nature and operation of American national government. Techniques, processes, and machinery of popular control (public opinion, interest groups, parties and elections); executive, legislative, and judicial functions. A course in understanding the power applications of public issues that affect one's life.

**PLS 112. INTRODUCTION TO
AMERICAN GOVERNMENT** 3 credit hours

The forms and functions of American government with emphasis on national government. Decision-making process in the Congress, the Presidency and the federal court system studied. Relationship of political parties and public opinion to the electoral process.

**PLS 150. STATE AND LOCAL GOVERNMENT
AND POLITICS** 3 credit hours

Forms and functions of state and local governments in the United States. Relationships of development of the urban community to the politics of metropolitan areas analyzed. Theories of studying community decision-making evaluated.

PSYCHOLOGY (PSY 08)

PSY 100. INTRODUCTORY PSYCHOLOGY 3 credit hours

An Introduction to the scientific study and interpretation of human behavior surveying such topics as psychological development, learning, thinking, motivation, emotion, perception, intelligence, aptitudes and personality. Basic principles and their practical application discussed. This course also taught as a television course using the program series "Understanding Human Behavior."

PSY 106. PSYCHOLOGY OF AGING 2 credit hours

An overview of the psychology of aging: study of personality traits, emotional problems and adjustments common in the process of aging; general psychological theories related to the problems experienced by the aged.

PSY 107. BLACK PSYCHOLOGY 3 credit hours

Psychological dynamics of the Black experience. An assessment of sociocultural factors that determine the Black psyche.

PSY 109. PSYCHOLOGY OF MID-LIFE CAREERS 2 credit hours

Finding your interests and aptitudes; life review and 300 job options; multiple career planning to meet present and future manpower needs; goals for mid-life and pre-retirement; life-time learning and creativity; group interaction, individual counseling.

PSY 114. LEARNING TO LEARN 3 credit hours

A course in applied psychology. Emphasis will be placed on learning styles and learning strategies. Students will be provided with a variety of techniques for analyzing their learning style. Next, they will be given information on learning strategies and practice in developing and using various strategies.

**PSY 130. ALCOHOLISM: ITS EFFECTS,
IMPACTS AND TREATMENT** 3 credit hours

The presentation of information concerning most aspects of alcoholism and how it affects the afflicted physically, socially, psychologically, vocationally, and spiritually. Also, its effect on the significant others in his/her life.

PSY 150. INDUSTRIAL PSYCHOLOGY 3 credit hours

Human relations in business and industry. Special attention given to occupational information, personnel selection, training and development and employee appraisal. A practical introduction to the psychological dimensions and implications of the modern working world.

PSY 160. COPING WITH STRESS 3 credit hours

"Coping" is a course designed to help integrate the highs and lows of life. Two approaches are utilized. The first develops a conceptual framework within which we can view our emotional and spiritual needs. The second involves techniques for fulfilling these needs. Thus, the course will be equally conceptual and experiential. It will draw on concepts and experiences integral to psychology, psychoanalysis, primatology and Eastern Thought.

**PSY 170. HIGH TECHNOLOGY:
IMPACT ON PERSONALITY** 3 credit hours

This course will focus on some of the key technological developments of modern times and the changes they have caused in the social, economic and political structures of our society. Various technology will be isolated to evaluate the demand they have made on human adjustment. This course will make a psychological assessment of both positive and negative influences hi-tech has made on child development, family structures, workers, male/female relations, the aged, health care and redefinition of humanity.

PSY 200. CHILD PSYCHOLOGY 3 credit hours

Stresses the child as an individual, his or her original nature and temperament and position as part of the group. Introduction of social raw materials is considered. In addition, such topics as the conditioning and reconditioning of behavior patterns and the individuality and similarity of responses are developed.

PSY 209. PSYCHOLOGY OF ADJUSTMENT 3 credit hours

A study of the processes involved in the adjustment of the individual to the problems of everyday living. Emphasis given to the study of the development of techniques or adjustment to meet conflict situations in the social environment. Includes consideration of adjustment mechanisms of major societal institutions.

PSY 222. LOSSES AND GRIEVING 3 credit hours

"Losses and the therapeutic process of grieving" will examine people's reactions to unexpected losses. Losses due to death are treated as well as those perennial losses naturally accompanying everyday life and the growth process. Also examined are those kinds of grieving resulting from such common experiences as disillusionment, divorce, unemployment, role change, the empty nest, and the loss of material possessions. The class will focus on the way persons react to their own losses and the role of friends and professionals in helping complete the grieving process. Problems resulting from incompleting grieving and the nature of grief work will be considered in depth. The class blends theory with practice.

PSY 257. ABNORMAL PSYCHOLOGY 3 credit hours

A course dealing with the abnormalities of certain types of personalities, their origin, symptoms, developments and treatment, short of psychiatric competence. Main topics—simple maladjustment; disturbances of emotional nature, of perception, memory, judgment, thought, disorders of mobility, speech, etc.; early symptoms of schizophrenia.

QUALITY CONTROL (QC 70)

QC 101. PROCESS QUALITY CONTROL 3 credit hours

The concepts of variation and methods of measuring, evaluating and interpreting industrial data. An in-depth working knowledge of process control imparted through the use of capability analysis and statistical controls charts. Industrial applications are presented and class participation is used extensively in workshops.

QC 122. SAMPLING QUALITY CONTROL 3 credit hours

Prerequisite: MTH 169

The theory of probability and basic concepts of statistical sampling. The development of sampling plans, effect of sample size and acceptance number on the probability of acceptance, and the use of interpretation of

sampling acceptance plans discussed. Military 105D, sequential, and variable sampling are introduced and their effectiveness and industrial applications are analyzed.

QC 225. QUALITY CONTROL MANAGEMENT 3 credit hours

The total quality control concept in planning, organizing and implementing an effective system. Details of how to plan a quality system, set up the organizational structure, integrate the support activities, install controls and measure the results are discussed. The work of quality information equipment engineering is outlined. The main jobs of quality control are defined in terms of design control, material control, product control and special studies such as GMP manual development and compliance.

RADIOGRAPHY (RAD 53)

Enrollment priority for these courses is granted students admitted to this program. Courses must be taken in sequence outlined in the curriculum unless consent is obtained from the Radiography division after review of previous transcripts.

RAD 110. CLINICAL EDUCATION 1 credit hour

Corequisite: RAD 112

Structured clinical experience, application of knowledge and skill in positioning the upper extremity, chest and abdomen; demonstrate knowledge concerning professional ethics, courtesy and empathy in handling patients, film processing and darkroom procedures. (16 hours per week, 7½ weeks)

RAD 111. FUNDAMENTALS OF RADIOGRAPHY 2 credit hours

Imaging is the key to the primary responsibility of a radiographer. The intent of this course is to describe the various imaging modalities so that application of principles to produce optimum diagnostic radiographic images will be understood. (4 hours per week, 7½ weeks)

RAD 112. RADIOGRAPHIC POSITIONING I 2 credit hours

Pertinent nomenclature for radiographic positioning, preliminary steps in radiography, operation of the radiographic control panel, processing the radiograph and positioning of the chest, abdomen and upper extremity. (3 hours per week)

RAD 113. RADIOGRAPHIC PROCESSING 2 credit hours

Covers the principles of processing to include discussion on darkroom design, radiographic film characteristics, processing chemistry, trouble shooting, maintenance, evaluation of radiographic films to determine diagnostic inadequacies resulting from artifacts and to correct or compensate for the cause. (4 hours per week, 7½ weeks)

RAD 215. RADIOGRAPHY OF THE SKULL 2 credit hours

A study of the anatomy and radiography of the skull designed so that the student can correlate the relationship of external landmarks and positioning lines to specific internal structures. Includes laboratory experience in skull positioning. (3 hours per week)

RAD 217. CLINICAL EDUCATION 3 credit hours

Corequisite: RAD 215

Structured clinical experience application of knowledge and skill in positioning the upper and lower extremities, chest, abdomen, trunk, spine, procedures requiring the use of a contrast medium, skull and demonstrate knowledge of the components and operational characteristics of the radiographic equipment used in skull radiography. (24 hours per week)

RAD 218. RADIATION BIOLOGY 2 credit hours

To acquaint the student with the effects of ionizing radiation on the cells which form human tissue. (4 hours per week, 7½ weeks)

RAD 219. RADIATION PROTECTION 2 credit hours

Covers the interaction of radiation with matter and the effect of exposure factors on radiation dose, biological effects, unit of measurement, maximum permissible dose and exposure monitoring. (4 hours per week, 7½ weeks)

READING (RDG 25)

READING CENTER

A laboratory designed to improve the student's reading and learning skills. Students enrolled in reading classes are encouraged to use the facility regularly during the semester. Those not enrolled in reading classes may be referred for individual help. Reading consultant services are available.

RDG 040. READING 3 credit hours

To provide the remedial reader with basic reading skills. A program of instruction individually designed for each student based on his or her diagnostic reading test and a personal interview.

RDG 100. VOCABULARY AND SPELLING POWER 2 credit hours

Designed for the student interested in strengthening spelling skills and expanding vocabulary. Emphasis placed on meeting the individual student's needs. Not a remedial course; students in need of basic spelling and/or vocabulary skills should elect Reading 040. Class meets for half a regular semester. (3 hours per week)

RDG 103. STUDY SKILLS 3 credit hours

Designed for the student interested in improving study and note taking skills. Reading and note taking techniques appropriate to specific course materials stressed. Essential for a student electing this course to be enrolled also in English, Humanities, Social or Exact Science course to which the student shall apply his or her newly learned study skills.

RDG 104. STUDY SKILLS 2 credit hours

Designed for the student interested in improving study and note taking skills. Reading and note taking techniques appropriate to academic materials stressed. Class meets for half a regular semester. Essential for a student electing this course to be enrolled also in a English, Humanities, Social or Exact Science course to which the student shall apply his or her newly learned study skills. (3 hours per week)

RDG 105. VOCABULARY AND SPELLING POWER 3 credit hours

Designed for the student interested in strengthening skills and expanding vocabulary. Emphasis placed on meeting the individual student's needs. Not a remedial course; students in need of basic spelling and/or vocabulary skills should elect Reading 040.

RDG 106. SPEED READING 2 credit hours

Designed for the student interested in becoming a more flexible reader. The student will learn techniques to vary reading speeds and techniques appropriate to material and purposes. Class meets for half a regular semester.

RDG 107. SPEED READING 3 credit hours

Designed for the competent student interested in becoming a faster and more flexible reader. The student will learn techniques to vary reading speeds appropriate to material and purposes. Class meets for a full semester, allowing time for the student to master each successive reading technique before learning a new one.

RDG 115. MEDICAL TERMINOLOGY 2 credit hours

Acquaints students with the origin and structure of medical terms. Helps interpret and understand requests for radiographic and other examinations and to read and to understand medical articles and reports.

REAL ESTATE (RE 48)

RE 100. REAL ESTATE PRINCIPLES 3 credit hours

An introductory course in real estate principles, practices and concepts. The student will be exposed to a broad overview of the real estate field including the nomenclature, documents, legal aspects and licensure, property descriptions, appraisal, financing, title insurance, construction builders, property management, condominiums, buying and selling, realtor functions, the Board of Realtors, ethics. An opportunity for the student to participate in an essential learning process leading to valuable real estate career. (3 hours per week)

REFRIGERATION / AIR CONDITIONING (RAC 82)

Basically this is a trade-related instruction program. Its purpose is to upgrade persons currently employed in this industry; however, students who are not currently employed in the industry are welcome. Presently courses are only offered in the evenings. Membership in the Educational Society of the Refrigeration Service Engineers (RSES) is required. Initiation fee and dues are approximately \$45. Consent of advisor is required for registration.

RAC 122. REFRIGERATION II 5 credit hours

Prerequisite: RAC 111 and consent; RSES membership required

Emphasis is on the functional principles and servicing of the following units: compressors, condensers (air and water-cooled), cooling towers, evaporator selection, metering devices (expansion valves, capillary tubes), motors and accessories, defrost systems, supermarket refrigeration, fresh meats, soda fountains and ice cream dispensers, ice making machines, beer cooling, milk cooling, estimating heat loads, commercial refrigeration. (5 hours per week)

RAC 123. REFRIGERATION AND AIR CONDITIONING SYSTEMS 5 credit hours

Prerequisite: RAC 111, 124 and consent

Sketching and constructing refrigeration systems. Calibration and efficiency balance of these units stressed. Troubleshooting electrical controls and additional study in thermodynamics included. (6 hours per week)

RAC 214. CONTROL SYSTEMS 5 credit hours

Prerequisite: RAC 124 and consent

Presenting further study and practice in reading electronic wiring diagrams and schematics as applied to the electrical controlling systems of refrigeration and air conditioning, including alternating current, motors, starters, capacitors, transformers, motor protectors, standard service techniques and troubleshooting industrial controls. (5 hours per week)

RESPIRATORY THERAPY (RTH 54)

RTH 106. CHEMISTRY FOR RESPIRATORY THERAPISTS 3 credit hours

Prerequisite: CEM 057 and CEM 058

Intended primarily for students in Respiratory Therapy Program. A study of the chemical and physiochemical behavior of gases, solutions, acids, bases, pH and electrolytes. Encompasses topics in organic chemistry and biochemistry related to metabolism and respiration.

RTH 121. BASIC EQUIPMENT AND PROCEDURES 4 credit hours

Prerequisite: Admission to the Respiratory Therapy Program

An introductory course dealing with the instruments and techniques used by the respiratory therapist; principles of operation and maintenance repair of various analyzers, humidifiers, masks, catheters, respirators, tents and regulators. (2 hours laboratory, 2 hours lecture)

RTH 148. PHARMACOLOGY FOR RESPIRATORY THERAPISTS 2 credit hours

A survey of drugs used to treat disease, with emphasis on drugs commonly used to treat cardiopulmonary disorders.

RTH 198. GENERAL CLINICAL PRACTICE I 3 credit hours

Bedside practice of general respiratory therapy techniques such as intermittent positive pressure breathing, oxygen therapy, humidity therapy, cardiopulmonary resuscitation, sputum induction and equipment rounds. Meets in a cooperating hospital. Experience will be coordinated with topics covered in RTH 121. (16 hours per week)

199. GENERAL CLINICAL PRACTICE II 3 credit hours

Prerequisite: RTH 121

Continued bedside practice of several respiratory therapy techniques developed in RTH 198. (16 hours per week)

RTH 200. ADVANCED CLINICAL PRACTICE 4 credit hours

Prerequisite or Corequisite: RTH 121, RTH 122, RTH 123, RTH 198, RTH 199, RTH 212, RTH 213 and successful completion of Qualification exam

Structured, at-the-bedside, practice of respiratory therapy techniques involved with the care of acutely ill patients and patients with chronic obstructive pulmonary disease. Students assigned to intensive care units of cooperative hospitals. Involved are two eight-hour sessions per week. (16 hours per week)

RTH 201. SPECIALTY CLINICAL PRACTICE 2 credit hours

Prerequisite: Completion of third semester of Respiratory Therapy Program

Experience in one of the following specialty areas: management, teaching, cardiopneumatics, burn medicine, home care, research, pulmonary function testing. (16 hours per week for 7.5 weeks)

RTH 202. PEDIATRIC CLINICAL PRACTICE 2 credit hours

Prerequisite: RTH 200, 212, 213, 219, successful completion of Pediatric Qualification Exam

Structured, at the bedside, practice of respiratory therapy in the neonatal intensive care unit and pediatric units.

RTH 212. VENTILATORS AND DIAGNOSTIC TESTS 3 credit hours

Prerequisite: RTH 121

An in-depth study of the use, classification, operation, advantages, modifications, maintenance repair and troubleshooting of medical ventilators, pulmonary function testing devices and other respiratory therapy equipment.

RTH 213. INTENSIVE AND REHABILITATIVE RESPIRATORY CARE 4 credit hours

Prerequisite: RTH 106, 212

A detailed study of the treatment of acute and chronic respiratory failure; the treatment of overwhelming pneumonias, adult respiratory distress syndrome, post-operative problems, poisonings and the rehabilitation of patients with chronic pulmonary disease emphasized. Medical specialists will discuss the respiratory care of their patients.

RTH 214. CARDIODIAGNOSTICS 3 credit hours

Prerequisite: BIO 111 and BIO 112 or equivalent (Open to students other than Respiratory Therapy)

A survey of invasive and noninvasive methods of studying the heart and cardiovascular system. Swan Ganz catheterization, echocardiography, stress tests, EKG interpretation, etc.

RTH 217. SEMINAR—RESPIRATORY THERAPY 2 credit hours

Discussion of current problems, credentialing systems, job attainment skills, psychological assessment of patients, teaching and management techniques.

RTH 219. PEDIATRIC RESPIRATORY THERAPY 3 credit hours

Prerequisite: RTH 121 and RTH 122

A study of the physiology of children; modes of therapy used to treat cardiopulmonary diseases of children, infants and neo-nates explained.

SECRETARIAL AND OFFICE (SO 49)

SO 101. BEGINNING TYPEWRITING 3 credit hours

The beginning typewriting course has been designed to develop initial keystroking skill, using the operating parts of the typewriter efficiently, placing materials attractively on a page by centering the copy horizontally and vertically. The student will then complete tabulation problems, set up and type business letters, personal letters, and memoranda; simple tables, outlines and manuscripts; and use the typewriter as an aid in composing. Proofreading skill is developed by comparing and verifying. (4 hours per week)

SO 102. INTERMEDIATE TYPEWRITING 3 credit hours

Prerequisite: SO 101 or equivalent (minimum of 35 wpm with 5 errors or less for 5 minutes)

A course designed to develop student's expertise in solving a wide variety

of communication problems. Development of speed and control is stressed in typing letters in basic styles with special features, business correspondence, tables, forms, and technical and statistical reports. (4 hours per week)

SO 107. CLERICAL METHODS AND PROCEDURES . . . 4 credit hours

Prerequisite: Typewriting proficiency of 45 wpm or concurrent enrollment in SO 102

Students will prepare for employment, improve typewriting skills, perform general office duties, including extensive filing and payroll procedures. The students will prepare for advancement opportunities in the clerical field by studying human relations, personality development and improve work habits and procedures. (4 hours per week plus minimum of 4 weekly machine room hours)

SO 130. BUSINESS MACHINES . . . 3 credit hours

Prerequisite: MTH 090 or equivalent

The emphasis throughout this course is using electronic business calculators in problem-solving activities. This requires the student to use efficient machine operation, verifying techniques, machine programming, and business mathematics for both business and personal situations. (3 hours per week plus minimum 6 practice hours)

SO 151. WORD PROCESSING PRINCIPLES . . . 3 credit hours

A study of the basic principles and concepts of the word processing function in modern business-industrial enterprise. Development of basic insights into the growth, objectives and methods of word processing. Included are basic terminology and concepts of word processing applications, systems design and basic memory and storage types: magnetic card, cassette tape and disk.

SO 152. IP TRANSCRIPTION SKILLS . . . 3 credit hours

Prerequisite: SO 102

An integrated approach to the study and application of current dictation/transcription practices found in the modern business office. The course will emphasize mastery of the equipment as well as mastery of transcription skills essential to quality correspondence. These skills will be stressed in the attainment of acceptable productivity standards.

SO 153. WORD PROCESSING APPLICATIONS/BASIC PRACTICE . . . 2 credit hours

Prerequisite: SO 151 and high school typewriting proficiency or concurrent enrollment in SO 102 or equivalent

An integrative applied approach to the study of modern word processing designed to acquaint the student with the use of automated word processing equipment as it relates to business and industry and other specialized fields. Skill development and speed building in creating, editing and printing documents is emphasized.

SO 200. INDEPENDENT DIRECTED STUDY . . . 1 credit hour

Prerequisite: Consent

SO 203. ADVANCED TYPEWRITING . . . 3 credit hours

Prerequisite: Consent

Advanced typewriting is designed to build on the foundations of earlier training in correspondence, reports, and tables. Increasing with difficulty of material, the student will have a variety of specialized office-typing tasks and business forms to complete. (4 hours per week)

SO 210. MEDICAL TRANSCRIPTION . . . 3 credit hours

Prerequisite: SO 102 or equivalent

An introductory course in medical terminology and medical transcription for students who are proficient in typewriting. Emphasis placed on basic transcription techniques in order for the student to acquire a thorough knowledge of dictating/transcribing equipment. The course familiarizes the student with a broad base of medical terms and the basic types of medical reports. (4 hours per week, plus a minimum of 4 weekly machine hours)

SO 214. WORD PROCESSING APPLICATIONS/ADVANCED PRACTICE . . . 3 credit hours

Prerequisite: SO 151, SO 153 and high school typewriting proficiency or concurrent enrollment in SO 102 or equivalent

An advanced practice in word processing applications as it relates to business and industry, and other specialized fields. Skill development and speed building in transcribing, revising, and printing finished word processing assignments is emphasized.

SO 225. WORD PROCESSING SYSTEMS PROCEDURES . . . 3 credit hours

Prerequisite: SO 151, 153, 214

A practical study of the fundamental systems and procedures comprising the word processing center. Emphasis on developing insights into the responsibilities of the word processing center staff, personal qualifications, human relations to the effective integration of the total information processing system. Includes word processing alternatives, equipment and needs surveys, organizing and implementing word processing and management and control of the word processing function.

SO 231. ADVANCED SHORTHAND . . . 3 credit hours

The third course in Gregg Shorthand dictation and transcription emphasizes the improvement of shorthand speed and developing mastery of techniques directly related to transcription.

SO 250. OFFICE SYSTEMS AND PROCEDURES . . . 4 credit hours

Prerequisite: Two-year high school typewriting proficiency or concurrent enrollment in SO 203 or equivalent

A practical study of the fundamental systems and procedures comprising the modern business offices. Emphasis on developing insights into the responsibilities of the office staff, personal qualifications, human relations factors and their essential relationship to the effective integration of all systems and procedures. Includes the study of filing and records management, telephone and telegraph communications and written reports. (4 hours per week, plus minimum of weekly machine room hours)

SOCIOLOGY (SOC 09)

SOC 100. PRINCIPLES OF SOCIOLOGY . . . 3 credit hours

Emphasis placed on basic concepts used in an analysis of social behavior and the processes by which new members of groups are oriented to prevailing patterns of behavior. A study of the process of cultural change basic to all programs in social work or to advanced work in the social sciences. This course is also taught as a television course using the program series "Focus on Society."

SOC 150. MARRIAGE AND THE FAMILY . . . 3 credit hours

Designed for all students, this course is aimed toward promoting stable marital relations. Special emphasis on the psychology of sex, adjustment of the individual to problems of everyday living, techniques of adjusting to conflict situations, emotions, perception, personality.

SOC 201. MEDICAL SOCIOLOGY . . . 3 credit hours

Deals with the application of sociological principles in studying health, health care and health services. Will center around the concepts that social, mental and environmental factors influence health and that the study of these and related factors can provide students with a broad concept of health.

SOC 202. CRIMINOLOGY . . . 3 credit hours

An examination of the theories which attempt to explain criminal behavior. Punishment versus rehabilitation schools of thought dealt with as well as capital punishment. Attention also given to the functioning of police and court systems.

SOC 205. RACIAL AND ETHNIC RELATIONS . . . 3 credit hours

Examination of the basic concepts of racial and ethnic relations and the concept of race. Examines and analyzes the course of oppression and suppression, superiority and inferiority, majorities and minorities in racial subgroups.

SOC 207. SOCIAL PROBLEMS . . . 3 credit hours

Problems of satisfying human needs and wants; non-economic needs and wants as well as treatment of the ways in which resources are allocated and products distributed in response to economic needs and wants. The significance of transition to industrialization with the major theme being

the disruptive disparity between the rates of technological and societal changes and the consequent need to cultivate sciences concerned with human behavior.

SOC 250. JUVENILE DELINQUENCY 3 credit hours

The growing-up process of late childhood and adolescence from a sociological and cultural viewpoint. Problems of the individual in his/her social environment; group forces which lead to maladjustment and sociological principles for working with youth from the viewpoint of parent, teacher, police and youth organization leader.

**SPANISH
(SPN 21)**

SPN 111. FIRST YEAR SPANISH 4 credit hours

Corequisite: SPN 112

A beginning course in Spanish using the conversational approach. Spoken language mastered through classroom and laboratory practice. Cultural aspects of Spain and Latin America highlighted. (4 hours per week)

SPN 112. SPANISH LAB I 1 credit hour

Prerequisite: Current enrollment in SPN 111

This is intended to augment Spanish III. Students will work in the supervised language lab and use taped materials which correlate to the lessons in their texts and workbooks. Students intending to transfer will be offered accelerated materials as well as supplemental listening aids that include both music and literature.

SPN 119. SPANISH LANGUAGE ADVENTURES 1 credit hour

A course of independent study to be undertaken during any of the College field trip "Adventures" to Spanish speaking countries and their centers of culture. Students will live in the individual country for the duration of the "Adventure" visit and study first-hand the outstanding cultural attractions and practice Spanish throughout their stay.

SPN 120. BEGINNING CONVERSATIONAL SPANISH 2 credit hours

Conversational in approach and assumes no previous knowledge of the language. Designed for persons interested in practicing the fundamentals of spoken Spanish to enhance their travel enjoyment in Spain and Latin America as well as to promote an appreciation of these exciting cultures. May be taken as a review for students already enrolled in the first year course.

SPN 121. INTERMEDIATE CONVERSATIONAL SPANISH 2 credit hours

Prerequisite: SPN 111, its equivalent or consent

Continuation of Spanish 120. Provides vocabulary expansion and cultural insights through total student involvement in the conversation practice sessions in this flexibly structured course.

SPN 213. SECOND YEAR SPANISH I 3 credit hours

Prerequisite: SPN 122, its equivalent or consent

An intermediate course in Spanish using the conversational approach. First year emphasis on spoken form and culture reviewed. Attention given to the written form.

**SPEECH
(SPH 23)**

SPH 101. FUNDAMENTALS OF SPEAKING 3 credit hours

Instruction in essential speech processes and skills. Organization of speeches and effective delivery studied through the use of practical problems. The course attempts to relieve the stress the average person encounters when speaking in public, whether to a larger group or to an unfamiliar audience.

SPH 131. RADIO-TELEVISION SPEECH 3 credit hours

The development of an effective voice for speaking on the microphone through a study of contemporary standards in broadcast diction and voice production. The study of voice requirements for standard broadcast forms, views, interviews, features, commercials and music continuity. Basic oral reading techniques and a brief introduction to the International Phonetic Alphabet.

SPH 152. ACTING FOR THE THEATRE 3 credit hours

An introduction to acting through the physical aspects of the stage, using the stage as a vehicle to promote ideas and feelings. Scenes will be assigned.

**STUDENT PERSONNEL SERVICES
(SPS 07)**

SPS 100. CAREER PLANNING SEMINAR 3 credit hours

Designed for persons undecided in their career and life goals and interested in exploring alternatives to current careers or who are interested in clarifying tentative decisions. This course provides opportunity for participants to become more aware of themselves and others and to become knowledgeable of careers, career alternatives, employment trends and issues and projections. Also provides opportunity for participants to develop and/or refine job hunting skills. Participants gather, evaluate and utilize appropriate career information to assist in planning, narrowing and implementing realistic career and life goals.

**SPS 102. INDEPENDENT STUDY—
CAREER PLANNING** 1 credit hour

Independent Study course is designed for person undecided about their career and life goals. At their own pace, participants complete a series of exercises and activities to learn about their goals, interest, skills, abilities, and values, to explore occupations and to learn decision-making techniques. Participants write a summary career plan upon completion and meet for consultation with instructor three times during the period of independent study. (Hours arranged on an individual basis.)

**TECHNICAL AND COMMERCIAL ART
(TCA 73)**

TCA 100. PERSPECTIVE AND PARALLEL PROJECTION 4 credit hours

Development of ideas by three dimensional drawing techniques. Emphasis on the fundamentals of oblique, one point, isometric, two points and three point perspective projection. Projects utilizing parallel and perspective projected shadow construction emphasized. (6 hours per week)

TCA 101. TECHNICAL ILLUSTRATION 4 credit hours

Prerequisite: TCA 100 or consent

Illustration projects utilizing perspective and parallel projection and mechanical art aids. Information for problems obtained from blueprints, written communication, and other sources. Assignments deal with the presentation of assemblies, exploded views, section and phantom drawings used by automotive, aircraft and electronics industries. (6 hours per week)

TCA 110. LETTERING AND LAYOUT 4 credit hours

Introduction to the various styles of lettering and techniques used in the design of posters, brochures and other advertising forms; basic techniques in the preparation of art work to be reproduced. (6 hours per week)

TCA 121. ADVERTISING LAYOUT 4 credit hours

Prerequisite: TCA 110

An application of various techniques and methods used to develop commercial advertising art. A simulation of studio situations and problem-solving from rough comprehensives and layout to final art. (6 hours per week)

TCA 122. TECHNICAL RENDERING 4 credit hours

Fundamentals of rendering techniques and the various compatible materials used in industry by the technical illustrator. Directed projects in parallel and perspective shadow construction. Stipple, smudge and French rendering of geometrics and airbrush and brush photographic retouching. (6 hours per week)

TCA 226. COMMERCIAL DISPLAY 4 credit hours

Prerequisite: Demonstration of working knowledge of color and color relationships

An introduction to the techniques of the design and construction of two- and three-dimensional displays. Emphasis on design, the working drawing or blueprint and the construction of a functioning model. (6 hours per week)

TCA 227. GRAPHIC REPRODUCTION 4 credit hours

A survey of the basic processes and techniques used to reproduce graphic materials. Emphasis placed on the techniques used for properly preparing and finishing art and copy for reproduction.

TCA 228. AIRBRUSH TECHNIQUES 4 credit hours

Corequisite: TCA 120 or consent

Development of rendering techniques using an airbrush and various associated materials. Assignments deal with rendering illustrations and photo retouchings with airbrush techniques. (6 hours per week)

TCA 236. SPECIALIZED STUDY 2-6 credit hours

Prerequisite: Consent

An opportunity for students to work independently with faculty consultation in major study areas of Commercial Art and Technical Illustration. Directed periods of concentrated effort on assignments to demonstrate the individual's development and understanding with selected occupational areas. Major study areas of specialization may include cartooning, editorial illustration, animal illustration, commercial photography, graphic reproduction, advertising and lettering, layout, fashion illustration and commercial displays. (Class hours arranged)

WELDING AND FABRICATION (WF 71)

WF 100. FUNDAMENTALS OF WELDING 2 credit hours

A basic combination welding course dealing with oxy-acetylenes and arc welding designed to meet the needs of students enrolled in Auto Body Repair, Auto Mechanics, Detailer Draftsman, etc. Typical applications made in a laboratory setting. (4 hours per week)

WF 101. ACETYLENE WELDING 2 credit hours

Designed for students who need a knowledge of oxy-acetylene welding and a degree of skill required by industry. Primarily for students whose occupations are associated with welding. (4 hours per week)

WF 102. ARC-WELDING 2 credit hours

An introductory course in arc welding covering theory and practice: proper procedures for various welding positions; both A.C. and D.C. welding is covered; electrode identification, classification and proper applications to typical operations. (4 hours per week)

WF 103. HELI-ARC WELDING 2 credit hours

Instruction given in tungsten, inert gas, shielded arc-welding, with manually operated torch on such metals as aluminum, stainless and mild steels; includes theory directly related to the composition and properties of these metals. (4 hours per week)

WF 104. SOLDERING AND BRAZING 2 credit hours

Course designed for basic knowledge of soft soldering, brazing, silver soldering, copper tubing and fittings, brazing of steel, silver soldering of copper and stainless. Practical application included.

WF 111. OXY-ACETYLENE WELDING 4 credit hours

The use of oxy-acetylene equipment to perform such operations as butt, lap, and fillet welds using filler rods; flame cutting, brazing, and silver soldering. Safety procedures and practices of gas welding emphasized. (8 hours per week)

WF 112. ARC WELDING 4 credit hours

The use of arc welding equipment both A.C. and D.C. to perform such operations as butt, lap and fillet welds using bare and shielded electrodes, all-purpose and special electrodes. Study of electrical welding, power supplies and electrodes included. Safety procedures stressed. (8 hours per week)

WF 123. ADVANCED OXY-ACETYLENE WELDING 4 credit hours

Prerequisite: WF 111

Advanced instruction in oxy-acetylene welding with emphasis on "out of position" welded joints. Procedures covered and put in practice for fabricative welded joints on steel plate and pipe. Related theory included. (8 hours per week)



WF 124. ADVANCED ARC WELDING 4 credit hours

Prerequisite: WF 112

Advanced instruction in arc welding using both A.C. and D.C. arc welding equipment. Emphasis on "out of position" welded joints in mild steel, alloy steels and pipe procedures covered for cutting, beveling, and fabricating various welded joints. Related theory, codes and standards included. (8 hours per week)

WF 200. LAYOUT AND THEORY FOR WELDERS 2 credit hours

Layout problem solving for the welder including techniques using layout die, combination squares, protractors, center heads trammel, points, dividers, and straight edges. Template making for pipe cutting and joining emphasized. A basic math review and the properties of a circle such as radius, chords, and degrees of angularity for jobs done in the field included. (2 hours per week)

WF 210. WELDING METALLURGY 3 credit hours

Metal properties and identification properties through testing, effects of alloying element, specification use and application of mild steel, low steel alloys, stainless steel principles of electricity as they apply to different welding applications and heat treatment of metals. (3 hours per week)

WF 215. ADVANCED T.I.G. AND M.I.G. WELDING 4 credit hours

Prerequisite: Consent

Tungsten-inert gas shield arc welding with manually operated torch on such metals as aluminum, mild steel and stainless steel. Technical theory directly related to T.I.G. welding including the records management, telephone and telegraph communications and written reports. (4 hours per week, plus minimum of 4 weekly machine room hours)

WF 226. SPECIALIZED WELDING PROCEDURES 4 credit hours

Prerequisite: Consent

Specialized oxy-acetylene welding, inert gas-shield arc and consumable carbon dioxide welding. Emphasis given aluminum, stainless steel, high alloy steels and cast iron. Procedures for welding of the exotic metals such as titanium, columbium, zirconium, and molybdenum included. (8 hours per week)

WF 227. BASIC FABRICATION 3 credit hours

Prerequisite: Consent

For advanced welders planning to use their welding skills in manufacturing. Teaches the skills necessary to design, cut and fit pieces to be welded. Welders are trained in the use of modern machines for bending, punching, cutting, and shaping. Each student takes a self-chosen project and carries it through from blueprints to actual assembly. Includes estimation of material and labor costs.

WF 229. SHAPE CUTTING OPERATIONS 3 credit hours

The students will learn the shape-cutting process with oxy-acetylene and plasma cutting torches. With the use of the optical eye and Burny IV N.C. control, the student will learn how to cut mild steel, aluminum, and stainless steel parts.

WOMEN'S STUDIES (WS 06)

WS 103. PSYCHOLOGY/BIOLOGY OF WOMEN

3 credit hours

An examination of the current experiences of women in our society through the exploration of history and theory and their cultural interpretation. Focus will be on how and why women see themselves the way they do with emphasis on positive growth. Topics discussed include: history of sex-role stereotyping, rape and pornography; jobs, pay and inequity; marriage and divorce; motherhood and personhood; religion and women. Course includes readings, discussions and lectures.

WS 105. WOMEN AND THE LAW I

1 credit hour

A look at the topics of credit, discrimination, employment, insurance, ERA.

Emphasis will be on individual cases and the process involved in making laws.

WS 109. WOMEN'S HEALTH CARE

3 credit hours

Patient's rights, malpractice, natural childbirth, menopause, birth control research, medical experimentation, prescription drugs, doctor/patient relationship, breast self-exam, unnecessary surgery, other issues relating to medical care for women. This course is also taught as a television course using the program series "Contemporary Health Issues."

WS 115. ASSERTIVENESS TRAINING FOR WOMEN

3 credit hours

Teaches non-aggressive means of reducing fears, resolving conflicts, expressing likes and dislikes more fully, experiencing personal rights, increasing self-respect.

DISCLAIMERS

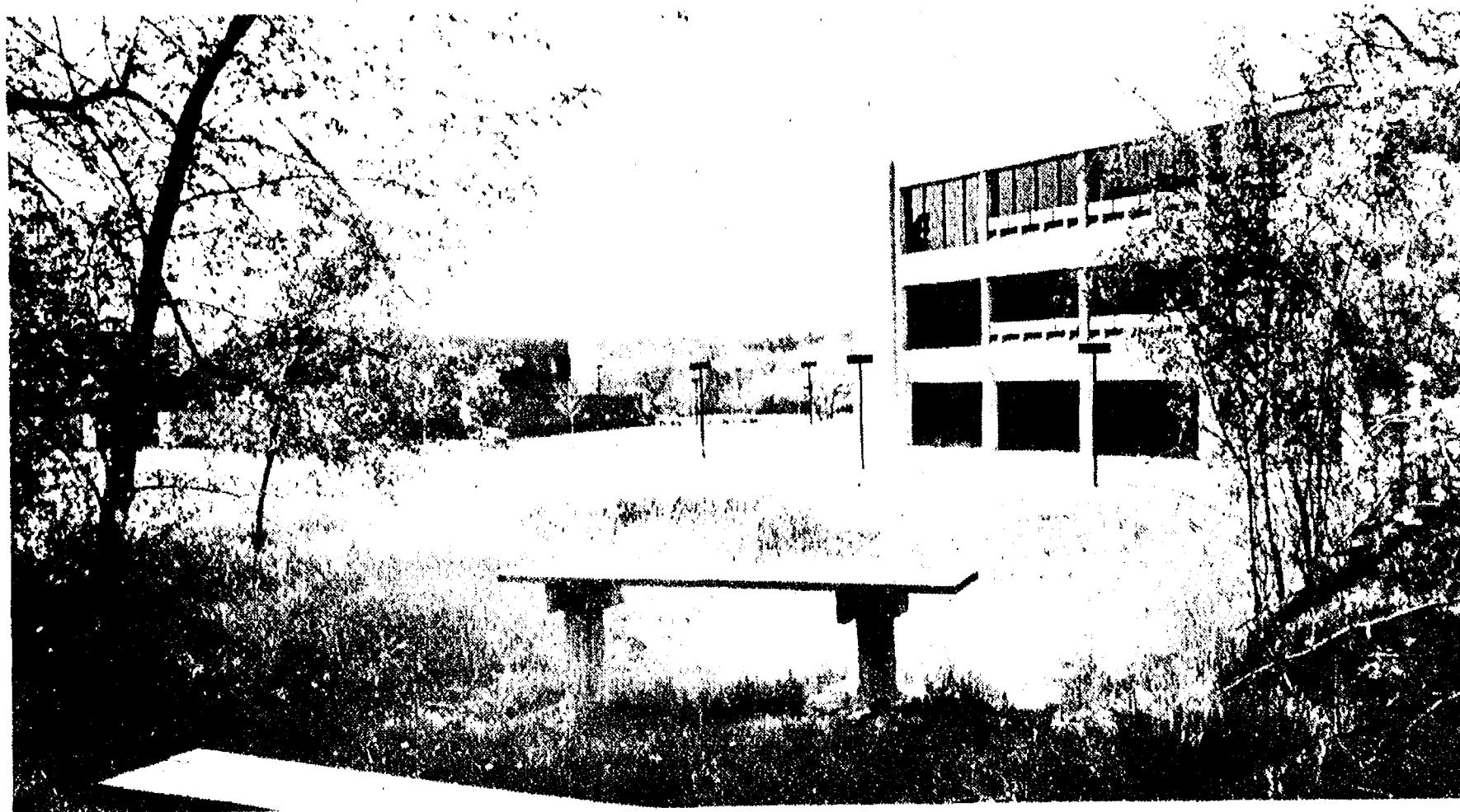
a. This document is for informational purposes only and is not to be construed as a binding offer or contract between the College and the student. This document was prepared on June 3, 1985 and is subject to change without prior notice.

b. The listing of the instructors' names in the class schedule is for informational purposes only and does not constitute a contract of employment or offer to employ any named instructor. Instructional assignments are subject to change in accordance with College policies as the needs of the College may require.

c. This document is intended to be used with the catalog, which provides complete information on courses as well as College regulations and more details on the academic calendar and procedures.

AFFIRMATIVE ACTION-NON-DISCRIMINATION

It is the policy of Washtenaw Community College not to discriminate on the basis of sex or race in admissions, employment or in the operation of any educational program or activity. Any inquiries should be directed to Title IX Coordinator.



CREDIT-FREE CLASSES

CONTINUING EDUCATION SERVICES (973-3616)

The Office of Continuing Education Services extends the resources and facilities of Washtenaw Community College to business, industry, labor, and the community. These special seminars and workshops provide education and training for groups in industry, government, organizations, agencies and the professions.

Continuing Education Services welcomes special training requests from business, industry and labor. Courses/workshops and seminars are designed by contract for specific firms, agencies or organizations and may be conducted during the workday, during off hours, or on weekends, on campus and at local sites.

Educational Services for Business/Industry:

Continuing Education Services custom designs seminars and short courses for local businesses, organizations and industry.

These programs offer training for managers, supervisors, clerical staff, or any groups with specific needs in management, finance, interpersonal development, office management, or clerical skills. Retirement planning, employee motivation, communications skills, supervisory skills for new managers, and financial planning are examples of our custom-designed programs.

For more information on custom-designed workshops, please contact the Continuing Education Services Office at 313/973-3493.

Educational Services

Continuing Education Services works with Washtenaw Community College faculty and community professionals to tailor seminars for local agencies and organizations. Career assessment and planning, management training and effective communications are samples of seminars tailored for special groups.

For more information on tailored seminars and workshops, contact the Continuing Education Services Office at 313/973-3493.

Registration Procedures for Continuing Education Services Offerings:

Fees for non-credit offerings are calculated for *each* person. Fees listed include total number of sessions for each workshop.

Registrations must be prepaid to guarantee a place in the class and are accepted on a space available basis. Any offering or class is subject to cancellation due to insufficient prepaid enrollment. All efforts are made to contact registered students if a cancellation occurs. Full refunds will be processed for classes cancelled due to insufficient enrollment.

In case of withdrawal from a Continuing Education Services workshop before the first class session, the student may claim a 100% refund. The student may claim a 75% refund of the fee if withdrawal is made within the first week of class. A 50% refund will be processed if withdrawal is made within the second week of class. No refund is processed after the second week. Applications for refund may be made by phone or in person at the Continuing Education Services Office. A check covering your refund will be sent to you within four to six weeks.

Registration for any Continuing Education Services workshop can be taken by mail using the coupon, or in person at the Continuing Education Services Office (LA 100). For more information on registration, please call 973-3616.

All of the programs offered are tailored to give you the information you need in the most cost-effective manner possible. They are conducted in an informal atmosphere and the instructors are men and women from business, the community and the faculty at Washtenaw Community College.

Continuing Education Services classes may be tax deductible, i.e. registration fees, and cost of travel, if educational expenses (1) maintain or improve skills required in one's

employment or other trade or business, or (2) meet express requirements of an employer or a law imposed as a condition to retention of employment, job status or rate of compensation. (Treasury regulation Section 1.162.5)

"Check-in" for all Continuing Education Services classes is held in LA100. Please report there on the first night of the class or workshop.

CAREER AND NEW CAREER DEVELOPMENT

JOB SKILLS

These workshops and seminars provide information, skills and skill "refreshing" for making initial career decisions or mid-life career changes, exploring new markets, and meeting the career-related needs of adults.

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AGRIBUSINESS

Agribusiness classes are offered to the small or weekend farmer interested in the economics of agricultural issues. They are co-sponsored with the Cooperative Extension Service of Washtenaw County.

SELLING WHAT YOU GROW

3 weeks

Thursdays beginning October 3 • 7:00 p.m.-9:00 p.m. • Instructor: Bill Casello • Fee: \$20.00

This course will be offered jointly by Washtenaw Community College and Cooperative Extension Service for small and part time growers. We will acquaint you with various options available in direct marketing of fruits and vegetables. We will look at community farmer's markets, U-pick operations, wholesaling to local restaurants and stores and traditional road side stands. Local commercial marketers will be invited to the third class session for panel discussion. The instructor, Bill Casello, Cooperative Extension Agent, specializes in marketing for small growers.

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BEYOND THE TYPEWRITER: THE OFFICE PROFESSIONAL

This series of seminars is designed to give office workers the opportunity to increase their knowledge and sharpen their skills for their personal satisfaction and on-the-job effectiveness. Enrollment is limited, so register early.

Continuing Education Units (CEUs) will be awarded to those who attend. The CEU is a national measurement unit used for recording, transferring, and gaining recognition for one's participation in non-degree learning experiences.

If you are interested in having any of these seminars scheduled at your business or organization, please contact Continuing Education Services, (313) 973-3616

SUPERVISORY SKILLS FOR THE OFFICE PROFESSIONAL

1 session

Saturday, November 2 • 9:00 a.m.-12:00 p.m. • Instructor: Darlene Schafer • Fee: \$25.00

For newly appointed office managers and seasoned supervisors. Make the transition from co-worker to supervisor. Learn skills that will help you anticipate and resolve potential problems, delegate effectively, handle employee conflicts, work under pressure, complete performance appraisals, and motivate your staff. Learn to plan your time effectively. Interact with other office professionals in similar positions. Bring your questions, problems, and ideas to share. The presenter, Darlene Schafer, B.B.A., is an administrator for Difco Laboratories and has been a supervisor, office manager and secretary.

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COMMUNICATIONS: WRITING THAT GETS RESULTS

Writing so that others easily and clearly understand you is a very valuable skill -- and one that can be learned like all other skills. Each seminar is

designed to strengthen specific written communication skills for use in business or community organizations

NEWSLETTERS FOR SMALL OR VOLUNTEER ORGANIZATIONS

1 session

Tuesday, October 1 • 6:30 p.m.-9:30 p.m. • Instructor: Marjorie Lynn • Fee: \$20.00

For those who have just been appointed editor of their organization's newsletter and wonder what to do next or for those who have been editors for a while and want to improve their publication, this session will cover all phases of newsletter production. We will define the audience, discuss deadlines, content, graphics, printing, distribution. The presenter, Marjorie Lynn, is a teacher and trainer/consultant in communications skills to business and industry.

GRAMMAR GUIDELINES FOR PEOPLE IN BUSINESS

2 weeks

Wednesdays beginning October 2 • 6:30 p.m.-9:30 p.m. • Instructor: Margaret Kivisto • Fee: \$35.00

In order to maintain an effective level of business communication skills, it often is beneficial for business people to review and refine grammar skills. This program will cover subject/verb agreement, punctuation, proper use of pronouns, and possessives. The instructor, Margaret Kivisto, is an English instructor and trains industry and business personnel in writing skills.

WRITING POLICIES AND PROCEDURES

1 session

Wednesday, October 16 • 7:00 p.m.-9:00 p.m. • Instructor: Mary Joscelyn • Fee: \$15.00

How can you achieve your organization's goals through its daily operations? How can you effectively communicate these needs to your staff? Written policies and procedures aren't just exercises in bureaucracy, written well, they define the steps needed to carry out the organization's mission, and they are an effective way to ensure that everyone is working toward the same goal. The presenter, Mary Joscelyn, is the productions coordinator for Facility Management Institute. She is a writer and educator who has written policies and procedures for manufacturing, utility, and engineering companies and scientific laboratories.

TECHNICAL WRITING: FORMATS FOR WRITING REPORTS

1 session

Wednesday, October 23 • 6:30 p.m.-9:30 p.m. • Instructor: Margaret Kivisto • Fee: \$25.00

The ability to use successful language skills produces effective business reports that relay their intended message. Participants will examine basic techniques for technical writing and review the following formats: informative reports, including status, progress, and process reports, and interpretive reports, including evaluation, causal, proposal and feasibility reports. The presenter, Margaret Kivisto, teaches business English and is a training consultant in writing for business and industry.

CONTINUING EDUCATION IN PLASTICS TECHNOLOGY

Continuing Education in Plastics Technology is co-sponsored with the Society of Plastics Engineers. Designed to update those in technically oriented positions and to provide basic knowledge for those who wish to enter the plastics industry, the classes are offered on topics and at times convenient for the participants.

PLASTIC MATERIALS

6 weeks

Thursdays beginning September 19 • 7:00 p.m.-9:00 p.m. • Instructor: Peter Bergman • Fee: \$80

This is an introductory class providing basic information on the chemistry of plastics, laboratory analysis, thermoplastics and thermoset plastics. Emphasis is on the properties, processing and cost factors involved in

selection. Peter Bergman, the instructor, has worked for Ford Motor Company for seven years and has a degree in Plastics Engineering. Completion of this class is recommended before taking more advanced specialty classes.

PRINCIPLES AND PRACTICES OF INJECTION MOLDING . . . 6 weeks
Tuesdays beginning October 22 • 6:30 p.m.-8:30 p.m. • Instructor: Harry Haaxma • Fee: \$80.00

This program is designed to fill the needs of persons who have had little or no previous experience with the materials, equipment and procedures involved in the process of injection molding. The program will provide the attendee with an overview of the process and the materials involved along with plant visitations. The instructor, Harry Haaxma, is with Haaxma and Associates and has forty-five years experience in the field of injection molding.

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ENTREPRENEURIAL AND SMALL BUSINESS MANAGEMENT SEMINARS co-sponsored with

THE NATIONAL SMALL BUSINESS TRAINING NETWORK

The following seminars are designed for current or potential entrepreneurs. The seminars are co-sponsored by the National Small Business Training Network, the Office of Economic Development, the Michigan Department of Commerce, and the Small Business Administration.

SMALL BUSINESS FORMATION 2 weeks
Tuesdays beginning September 24 • 7:00 p.m.-9:00 p.m. • Instructor: Mark Ouimet • Fee: \$30.00

Are you planning to start a small business? What form is best for you? How do you put a business plan together? What are the pros and cons of starting a business from scratch or of taking over an existing operation? These questions will be addressed, along with a discussion of the necessary paperwork and the procedures to be followed. Also, learn about what to look for in selecting an attorney or accountant who will meet your needs. The presenter, Mark Ouimet, is vice-president and director of business development at Great Lakes Federal Savings.

SURVIVING AND GROWING: SALES AND MARKETING FOR SMALL BUSINESS 1 session

Saturday, October 12 • 9:00 a.m.-11:00 a.m. • Instructor: Anthony Comazzi • Fee: \$15.00

Designed to acquaint small business owners and managers with the critical factors for their survival and success, this seminar is an overview of the phases of growth that small businesses experience, including setup, transition, planning, and operating, plus the activities that should occur at each phase. It is especially useful for product and service-oriented business people. Presenter Anthony Comazzi, M.B.A., was vice-president of marketing for two high tech companies and is a business consultant in sales, marketing and planning, and management.

BASIC ACCOUNTING AND RECORD KEEPING 1 session

Saturday, October 19 • 9:00 a.m.-1:00 p.m. • Instructor: Jan Stevens • Fee: \$25.00

This seminar will focus on the various accounting records that are required for managing a small business; how to create and maintain them, their function, and the valuable information that they provide. The presenter, Jan Stevens, C.P.A., is employed at Wright, Griffin, Davis and Company.

BUSINESS PLAN: YOUR BLUEPRINT FOR SUCCESS 1 session

Tuesday, October 22 • 7:00 p.m.-9:00 p.m. • Instructor: Anthony Comazzi • Fee: \$15.00

A good business plan is essential for anyone starting in business or expanding his business. This seminar outlines the process of developing a plan, its relationship with other strategies and operating plans, and what each section of the plan should contain. A second seminar will focus on the financial components of developing a truly effective business plan. The presenter, Anthony Comazzi, M.B.A., has been a vice-president for sales and marketing in two high tech companies and is a business consultant in marketing, sales, planning, and management.

LEGAL ASPECTS OF STARTING AND RUNNING A BUSINESS

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Thursday, October 24 • 6:30 p.m.-9:30 p.m. • Instructor: Fred Steingold • Fee: \$25.00

This course offers practical legal guidelines for those who are thinking of starting a small business or are already in business. By learning the legal aspects of doing business, the entrepreneur can avoid costly mistakes. Registrants will learn the legal differences between a sole proprietorship, partnership, regular corporation, and S corporation — and how to start up a business in each of these formats. The course will assist registrants in recognizing and dealing with the legal risks of doing business. The presenter, Fred S. Steingold, J.D., is a partner in the law firm of Fahrner and Steingold, the president of the Business Enterprise Institute, and the author of *Legal Master Guide For Small Business*.

INTERVIEWING AND HIRING FOR MANAGERS 1 session

Tuesday, October 29 • 7:00 p.m.-9:00 p.m. • Instructor: Anthony Comazzi • Fee: \$15.00

Designed for managers in small to large businesses who are responsible for recruiting and hiring new employees, this seminar will cover insights into recruiting, how to and how not to conduct interviews that give you real information, the process of making offers and hiring, and how to orient new employees. The presenter, Anthony Comazzi, M.B.A., has been a vice-president for sales and marketing at two high tech companies and is a business consultant in marketing, planning, sales, and management.

TECHNIQUES FOR NEGOTIATING SUCCESSFULLY 1 session

Wednesday, November 6 • 6:30 p.m.-9:30 p.m. • Instructor: Gail Southwell • Fee: \$25.00

Tired of having every discussion turn into a confrontation? Learn how to use negotiating techniques that create win/win situations in the workplace and in your personal relationships. Become aware of the tactics others use and how to use those tactics to your advantage without creating hostility or conflict. The presenter, Gail Southwell, M.B.A., is a personnel manager with eight years' experience in industrial relations.

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BUSINESS FOR BREAKFAST

Washtenaw Community College, in cooperation with the Ypsilanti Area Chamber of Commerce, presents management training for local entrepreneurs. Workshops will be held at the Ypsilanti Chamber of Commerce, 11 North Adams Street, Ypsilanti.

BUSINESS MESSAGES: HOW TO COMMUNICATE EFFECTIVELY THROUGH LETTERS AND MEMOS 1 session

Wednesday, September 18 • 7:30 a.m.-9:30 a.m. • Instructor: Marjorie Lynn • Fee: \$15.00

Sharpen your skills for writing business letters and memos that are brief, coherent, clear, and get results. This seminar will improve your ability to understand what you want and to communicate it effectively in writing. Special needs of the participants will be addressed. The presenter, Marjorie Lynn, is a teacher and trainer/consultant to business in communications skills.

FINANCIAL ASPECTS OF A SUCCESSFUL BUSINESS PLAN 1 session

Wednesday, October 30 • 7:30 a.m.-9:30 a.m. • Instructor: Mark Ouimet • Fee: \$15.00

If you are planning to start a business or develop one, a thorough business plan is a must. This seminar concentrates on the financial aspects of developing a successful business plan but will take into account product/service development, marketing, and production in a comprehensive plan. With it you should improve your chances of securing financing from banks or lending institutions. Presenter Mark Ouimet is the vice-president and director of business development at Great Lakes Federal Savings.

HOW TO MANAGE CONFLICT IN THE WORKPLACE 1 session

Wednesday, November 6 • 7:30 a.m.-9:30 a.m. • Instructor: Terri Atkin White • Fee: \$15.00

Conflict is inevitable in a changing world. This seminar will cover the benefits and detriments of dealing directly with conflict, how conflict and change interact, the five styles of dealing with conflict and when to use each style, and the process of negotiating with peers, superiors, and

subordinates. The presenter, Terri Atkin White, is a management consultant and is the owner and director of Atkin White Associates. She conducts workshops dealing with stress, conflict, change, and other interpersonal subjects.

CASH FLOW: HOW TO MANAGE YOURS 1 session

Wednesday, November 20 • 7:30 a.m.-9:30 a.m. • Instructor: William Pfleger • Fee: \$15.00

The overall cash management objective for any business is to control its liquid assets to optimize use of funds. This seminar will discuss the features of a cash management program and the areas in which small businesses can improve their cash flow. The presenter, William Pfleger, M.B.A., is a CPA at Deloitte Haskins and Sells, specializing in providing accounting and auditing services to small and growing businesses.

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PROFESSIONAL DEVELOPMENT: MANAGEMENT SKILLS

Effective management demands the application of specific skills and techniques. The following seminars are designed to provide techniques and strategies that contribute to successful management. Participants can be individuals in or seeking management positions.

Washtenaw Community College also extends its services to organizations and agencies. Any of these seminars can be adapted to meet particular employee/training needs. Your employees can attend the classes at the College, at your organization, or at other convenient locations. For more information call (313) 973-3616.

POWER IMAGE FOR MEN IN SALES 1 session

Tuesday, October 15 • 7:00 p.m.-9:00 p.m. • Instructor: Elizabeth Mall • Fee: \$15.00

A powerful first impression can make a sale in the first 10 seconds. Are you using your image as a tool to sell your product, service or idea? This workshop, specifically designed for men in sales, will help you to: 1) improve your non-verbal communication skills, 2) avoid the negative signals that turn off your customers, 3) use body-language, proxemics and clothing as sales tools, 4) make those critical first ten seconds count. Come dressed to SELL!!! Presenter Betsy Mall is president of Image Development, Inc., and trains personnel in business and industry for image effectiveness.

MAKE TIME WORK FOR YOU: TIME MANAGEMENT 1 session

Thursday, October 17 • 6:00 p.m.-9:00 p.m. • Instructor: Kenneth Jones • Fee: \$25.00

Control time instead of letting it control you! Increase your awareness of your problem solving abilities in the area of time management and learn tips, techniques, and insights that will make you a more effective user of your time. Assess your work patterns and apply awareness of your own metabolism into non-wasteful, high-energy, time-management techniques. Presenter Kenneth Jones is the president of Jones and Associates, Human Resource Consulting.

BECOME A BETTER COMMUNICATOR 1 session

Thursday, November 14 • 6:00 p.m.-9:00 p.m. • Instructor: Kenneth Jones • Fee: \$25.00

Being able to communicate effectively is essential for success in today's business world. Learn what the process of communication is, what some of the barriers to effective communication are, and how these can be overcome. Also covered will be how to avoid being manipulated, how to give useful and accurate feedback, how to actively listen, and how to use communication techniques in managing conflicts. The presenter, Kenneth Jones, is the president of Kenneth Jones and Associates, Human Resource Consulting.

POSITIVE LISTENING 1 session

Saturday, November 16 • 9:00 a.m.-1:00 p.m. • Instructor: Susan Newton • Fee: \$30.00

This workshop focuses on listening skills for personal and professional effectiveness. Participants will explore the major barriers to communicating and practice listening skills. Goals are to listen more effectively, check for clarity, increase your productivity, and improve interpersonal relationships. The presenter, Susan Newton, is manager of training for ADP Network Services.

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REAL ESTATE

REAL ESTATE CONTINUING EDUCATION COURSE, 1985-1986 1 session

Section I:

Friday, September 20 • 9:00 a.m.-4:00 p.m. • Instructor: NCI Associates, Ltd. • Fee: \$20.00

Section II:

Friday, November 15 • 9:00 a.m.-4:00 p.m. • Instructor: NCI Associates, Ltd. • Fee: \$20.00

This course is certified by the Department of Licensing and Regulations for all real estate licensees and will fulfill the 6-hour statutory requirement for license renewal in 1986. Topics include: Occupation Code, economic conditions, 1984 tax reform act, fair housing and court cases, law of agency, and code of ethics. Be prepared to give name and ID number as it appears on your license. Coordinators of this course are NCI Associates, Ltd.

BUYING AND SELLING REAL ESTATE FOR FUN AND PROFIT 1 session

Thursday, September 26 • 6:00 p.m.-9:00 p.m. • Instructor: Jack Waller • Fee: \$20.00

Ideal to introduce the non-expert to the processes involved in buying and selling real estate. Learn about purchase agreements, closing costs, property presentations, realtor services, financing, renting versus buying, types of investments, and much more. This seminar is a good introduction for those who expect to become involved in a real estate transaction. The presenter, Jack Waller, is a realtor and vice-president of NCI Associates, Ltd., a private school specializing in real estate courses.

REAL ESTATE FUNDAMENTALS 5 weeks

Mondays and Wednesdays beginning October 14 • 6:00 p.m.-10:00 p.m. • Instructor: Beverly Tesner • Fee: \$105.00

Designed for those preparing for the Michigan Real Estate Salesperson's License Examination and for anyone who wants an extensive overview of real estate, this series covers real estate laws, contracts, financing, ownership, brokerage, valuation, and fair housing. The course is approved for forty hours of statutory requirements by the Department of Licensing and Regulation. The fee includes all materials. Instructors are licensed realtors and are employed by NCI Associates, Ltd., a private vocational school specializing in real estate courses.

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HOME HEALTH AIDE

HOME HEALTH AIDE 6 weeks

Tuesdays, Wednesdays and Thursdays beginning September 17 • 6:00 p.m.-10:00 p.m. • Instructor: Kathy Watson • Fee: \$150.00

A Home Health Aide (HHA) is a male or female trained to perform health care and homemaking tasks which a client, family member or friend may be unable to do because of age, physical or social condition. This training program is designed to give the beginning or experienced health care worker a comprehensive set of nursing assistant and home management skills. Lectures and clinical practice will encompass eighty-five hours. Clinical practice will take place at area nursing homes and agencies. Participants will have the opportunity to be Red Cross C.P.R. certified, earn Continuing Education Units and be assisted in seeking employment. If you are interested in financial aid, contact the Continuing Education Services Office immediately. The textbook, *Being a Home Health Aide*, should be purchased at Washtenaw Community College's bookstore and brought to the first class. The instructor, Kathy Watson, is a Registered Nurse and is employed as a Home Health Aide Coordinator at the Visiting Nurses Association.

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GED PREPARATION

Mondays and Wednesdays beginning September 16 • 2:00 p.m.-6:00 p.m. • 15 weeks

Offered by Ann Arbor Public Schools, Department of Community Educa-

tion and held on Washtenaw Community College Campus, this course prepares you for the GED. For information concerning registration and specifics of class, call 994-2300 (Ann Arbor Public Schools).

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INDIVIDUAL AND FAMILY DEVELOPMENT

SUPERVISING AND MANAGING VOLUNTEERS 2 weeks

Mondays beginning October 14 • 7:00 p.m.-9:00 p.m. • Instructor: Mary Ellen Dolan • Fee: \$25.00

You are in charge of a group of eager (or reluctant) volunteers. How do you best harness the energies and talents of a diverse group of people? This workshop will present a model for recruiting, motivating, managing, and rewarding volunteers. Specific problem solving techniques related to volunteer activities will also be covered. Presenter Mary Ellen Dolan has managed and directed volunteers for private and professional groups and is the Coordinator of Standards Development for the National Sanitation Foundation.

PROBLEM SOLVING FOR PERSONAL ACHIEVEMENT 5 sessions

Mondays beginning October 28 • 7:00 p.m.-10:00 p.m. • Instructors: Maija Kibens and Edith Croake • Fee: \$75.00

The purpose of this series of five workshops is for individuals to articulate goals defining a successful life and to develop planning and life management skills that will enable them to achieve these goals. Each workshop will have a different focus and will contain a discussion of theory and strategies as well as exercises for applying this information to one's life. We will conclude the series of workshops by showing how the information from all five sessions provides you with a planning system for achieving and maintaining a successful life. The presenters are full time instructors at Washtenaw Community College. Edith Croake has a D.A. in English with a special emphasis on long-term planning. Maija Kibens has a Ph.D. in Philosophy in the area of language and communications.

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FINANCIAL PLANNING SEMINARS

Make your money work for you. Learn to manage your finances effectively. Local professionals will discuss personal financial management as a "skill" that can help you achieve your financial goals.

INVESTMENT PLANNING 1 session

Wednesday, September 18 • 7:00 p.m.-9:00 p.m. • Instructor: John Nixon • Fee: \$15.00

This is an introductory class on investment topics. We will discuss the stock market, bonds, mutual funds, money market accounts and other securities. Are tax-advantaged investments appropriate for you and your tax bracket? We will provide practical advice on selecting an advisor and questions to ask of an advisor. The instructor, John Nixon, is a financial management advisor with E.F. Hutton and Co., and an experienced speaker on financial topics.

TAX-ADVANTAGED INVESTMENTS 5 weeks

Wednesday, October 2 • 7:00 p.m.-9:00 p.m. • Instructor: Patrick O'Neill • Fee: \$15.00

We will discuss investment strategies for the individual in the 38% tax bracket or higher. Learn about investment vehicles that postpone taxes or are truly tax free. Discover strategies for sheltering income or shifting income into lower tax rates. The instructor is Patrick O'Neill, financial advisor with Prescott, Ball and Turben and has taught numerous seminars on financial topics.

INVESTING IN MUTUAL FUNDS 1 session

Wednesday, October 9 • 6:30 p.m.-8:30 p.m. • Instructor: John Nixon • Fee: \$15.00

What are mutual funds? This class will give a description of mutual funds and the type of mutual funds available. Find out how mutual funds can provide professional money management for the small investor and can help you realize your financial goals. We will discuss, but not be limited to: money market funds, municipal bond funds, growth funds and high yield funds. The instructor, John Nixon, is a financial management advisor with

E.F. Hutton and Company and has conducted seminars locally on financial topics.

INVESTING FOR RETIREMENT 1 session

Tuesday, October 15 • 6:30 p.m.-8:30 p.m. • Instructor: John Nixon • Fee: \$15.00

Learn how to enter the retirement years more financially independent. If you are within five to ten years of retirement, it is not too soon to begin planning. We will look at municipal funds, mutual funds, money market funds, government securities, tax-advantaged investments and if they are appropriate for you and your tax bracket. The instructor, John Nixon, is a financial management advisor with E.F. Hutton and Company, specializing in retirement planning. He has conducted seminars locally with retirement groups.

FINANCIAL PLANNING 5 weeks

Thursdays beginning October 24 • 7:00 p.m.-9:00 p.m. • Instructor: Ken Lindow • Fee: \$65.00

Design your own personal financial plan. We will provide information and guidance to assist you. An attorney, an investment advisor and a certified public accountant will discuss goal setting, time-value of money, diversification, money market and mutual funds, corporate and municipal bonds, wills, trusts, the probate process, insurance, tax planning and the mechanics of developing your financial plan. The instructor, Ken Lindow, is a partner with Hoag, Lindow and Company and is an experienced speaker on financial topics specializing in taxes. A textbook may be used.

YOUR WILLS AND ESTATES 1 session

Tuesday, October 8 • 7:00 p.m.-9:00 p.m. • Instructor: Gary Allen • Fee: \$15.00

Learn the advantages and disadvantages of wills, trusts and guardianships. This is a practical approach to deciding if you need a will and how much it costs. Learn what is involved in the role of personal representative, guardian or conservator of an estate and the management of that estate. The instructor, Gary Allen, is a practicing attorney and has taught many non-credit adult classes on this topic.

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WOMEN'S RESOURCES

Seminars and workshops that respond to the needs and interests of the contemporary woman. Facilitators and instructors are professionals sensitive to the unique demands placed on women in school, on the job and in the home.

NON-TRADITIONAL CAREER DAY FOR WOMEN 1 session

Friday, November 8 • 9:00 a.m.-3:30 p.m. • Instructor: Pat Edsall • No fee

The career day is an opportunity for students and community women to meet with women in non-traditional careers and learn about those careers: the tasks involved, opportunities available, salary range, the pros and cons of the particular job. The career day will include a guest speaker, panel presentations and an opportunity for discussion. Lunch is also included in the day.

FOR THE WOMAN MANAGER 1 session

Saturday, October 12 • 9:00 a.m.-4:00 p.m. • Instructors: Nishta Bhatia, Elizabeth Mall • Fee: \$50.00

A one day seminar designed to enable the woman manager to capitalize on her management strengths and minimize her weaknesses. The morning workshop consists of a management style analysis. With this knowledge managers will be able to work more effectively with different personalities and styles, to enhance cooperation and better utilize the motivations of others. The afternoon workshop will provide the ambitious woman with tools she needs to communicate a powerful, effective professional image.

Nishta Bhatia will be the morning presenter. Ms. Bhatia is a consultant with Personal Growth Foundation, Minneapolis, Minn. and has led several workshops in the Ann Arbor area. She has also worked as Personnel Coordinator with a local corporation and has an in-depth view of management and organizational needs.

The seminar includes lunch and a Dress for Success presentation by Jacobson's, featuring modeling and accessorizing techniques.



ENROLLMENT COUPON

CONTINUING EDUCATION SERVICES

4800 East Huron River Drive • P.O. Box D-1 • Ann Arbor, Michigan 48106

Check or money order made payable to Washtenaw Community College for Seminar/Workshop. Fee must accompany coupon.

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SPECIAL SERVICES

ADULT RESOURCE CENTER (973-3528)

This is a special drop-in center offering help for adults entering or re-entering school; making course program and career decisions, or desiring personal counseling. The Center staff is especially sensitive to the concerns and needs of female and minority students.

Drop-in center hours for each semester will be posted on the ARC news board in the cafeteria area. The Center is located on the first floor of the Student Center Building, 4800 East Huron River Drive, Ann Arbor.

Financial Aid Information:

The State of Michigan Department of Education, Voc-Tech Department, offers tuition monies for students who meet certain qualifications such as re-entry into the labor market for single parents, homemakers required to work because of dissolution of marriage, upgrading of skills for the current labor market, and/or entry of women into careers traditionally held by men or by men into careers held by women. For further information, contact the Center at 973-3528.

Some WCC scholarships for a limited number of credit hours on a first-time at WCC basis are also available. Call 973-3528.

Classes and Seminars:

CREDIT CLASSES:

WS 103 — Psychology/Biology of Women, 3 credit hours, Tuesday and Thursday 11:00 a.m.-12:30 p.m.

See page 76. (Use standard College registration procedure to register for these classes.)

SEMINARS—A number of seminars will be offered by the Center throughout the Fall semester. Specific dates will be announced in October. Seminar topics are as follows:

- **TEST-TAKING TECHNIQUES AND ANXIETY MANAGEMENT**—Group will meet for 1½ hours per week for 2 weeks. This seminar will be repeated throughout the semester.
- **THE BALANCING ACT: MANAGING HOME AND GOING TO SCHOOL**—Group will meet 1½ hours per week for 2 weeks. A person's re-entry into academic life requires the balancing of many responsibilities. If you are returning to school or going to school for the first time, this seminar is designed for you. Topics include: Time-management, Goal-setting, Decision making, Family support, Re-establishing basic academic skills.

Registration process and dates will be announced in October. **ALL SEMINARS ARE FREE.**

The Adult Resource Center also coordinates the Emeritus Program through which workshops requested by and designed for older adults are held at convenient locations throughout Washtenaw County. These courses are offered free of charge to any Washtenaw County resident 60 years of age and retired.

BOOKSTORE (973-3594)

The College serves the student body and enhances the instructional program through the bookstore. Books, instructional aids, equipment, materials, and supplies are readily accessible for students and staff. Costs are kept to a minimum based on the College goal of service to students. Located on the lower level of the Student Center Building, the bookstore is open daily. The bookstore accepts traveler's checks, cashier's checks, certified checks, MasterCard and VISA, **BUT DOES NOT ACCEPT PERSONAL CHECKS.**

Full refunds are given provided merchandise is returned within 2 weeks from the date of purchase and accompanied by a *receipt*.

The Bookstore also buys back students' books to resell as used books at the end of each semester. The buy back period is only at the end of the semester. For specific dates you will want to check with the store. Identification is required to sell books.

BRIGHTON AREA CENTER (227-7450)

Washtenaw Community College is offering Associate Degree Programs in Management and Accounting at its Brighton Area Center. As part of a community scholarship, the College will assess tuition at \$36 per credit hour for Livingston County residents attending the Brighton Area Center. Registration will be held at the Miller Community Center, next to Scranton Middle School, on August 22, 27 and 28 from 5:30 p.m. to 8:30 p.m. Advising and financial aid services also will be available on these registration dates. For continuing students, on-campus telephone registration is available between August 5-9. Please call 973-3100 between 9:00 a.m. - 12 noon and 1:00-4:00 p.m. The semester begins on September 4 and ends on December 19. Textbooks, when available, may be purchased in Brighton at Poor Richard's Bookshoppe, 202 W. Main Street. Textbooks may also be purchased on WCC's campus in the Ulrich's bookstore, first floor of the Student Center Building. Please contact the Brighton Area Center's Adult Education Counselor, Bill Lymangrover at (313)227-7450 for further information.

Classes offered in the Center:

100	Personal & Consumer Finance	M	7:00-10:00 p.m.
101	Western Civilization to 1600	M	6:00-9:00 p.m.
111	Principles of Accounting	M	6:00-9:00 p.m.
208	Principles of Management	M	7:00-10:00 p.m.
111	Computer Concepts	M	7:00-10:00 p.m.
039	Basic Mathematics	T	6:30-9:30 p.m.
090	Occupational Math	T	6:30-9:30 p.m.
097A	Introductory Algebra	T	6:30-9:30 p.m.
097B	Introductory Algebra	T	6:30-9:30 p.m.
163	Business Math	T	6:30-9:30 p.m.
169A	Intermediate Algebra	T	6:30-9:30 p.m.
169B	Intermediate Algebra	T	6:30-9:30 p.m.
177	Triangle Trigonometry	T	6:30-9:30 p.m.
100	Blueprint Reading I	T	6:00-8:00 p.m.
100	Introduction to Psychology	T	6:00-9:00 p.m.
150	Labor Management Relations	T	7:00-10:00 p.m.
170	Introduction to Literature	T	7:00-10:00 p.m.
039	Basic Mathematics	W	6:30-9:30 p.m.
090	Occupational Math	W	6:30-9:30 p.m.
097A	Introductory Algebra	W	6:30-9:30 p.m.
097B	Introductory Algebra	W	6:30-9:30 p.m.
163	Business Math	W	6:30-9:30 p.m.
169A	Intermediate Algebra	W	6:30-9:30 p.m.
169B	Intermediate Algebra	W	6:30-9:30 p.m.
177	Triangle Trigonometry	W	6:30-9:30 p.m.
111	Computer Concepts	W	7:00-10:00 p.m.
122	Ballroom Dance I	W	6:30-8:00 p.m.
200	Personal Tax Accounting	W	6:00-9:00 p.m.
222	Ballroom Dance II	W	8:00-9:30 p.m.
090	General Photography	R	7:00-10:00 p.m.
100	Introduction to Criminal Justice	R	7:00-10:00 p.m.
121	Robotics	R	6:00-9:00 p.m.
140	Introduction to Business	R	6:00-9:00 p.m.
270	Creative Writing	R	7:00-10:00 p.m.

CAREER DEVELOPMENT CENTER (973-3558)

The Career Development Center (Room 141, Student Center Building, next to the Bookstore) helps persons make a career change or career decision. Individual career counseling and vocational testing are available. The Center has a Career Library that contains books, magazines, newspapers and other materials on careers, colleges, employers and job hunting. A microcomputer is located in the Center Library for persons who want to use a computer program to assess career interests, college majors, occupational values and skills. The computer can also be used to write a sample resume.

The Center maintains a list of job openings and offers information on job-hunting techniques. Job openings are posted on Bulletin Boards in four campus locations (1st floor of LA Building, Student Center Building, T & I Building and O.E. Building).

Besides testing and counseling, classes and a special workbook are available to help individuals with their career plans. *Moving On* is a self-help guide to career planning available in the Bookstore for \$5.00. This workbook contains self-assessment exercises and information on goals, interests, values, skills, abilities, occupational exploration and decision-making. Individuals can do the workbook on their own or complete it as an Independent Study and get one college credit. Interested persons should enroll in SPS 102 and see the instructor.

In addition, a three-credit career planning seminar (SPS 100) is taught each fall and winter semester. All credit classes in career planning are found in the time schedule under the heading, "Student Personnel Services." Other short-term workshops are frequently sponsored by the Adult Resource Center or Continuing Education Services.

Individual counseling and interest inventories are also available through the Counseling Center (2nd Floor, Student Center Building).

Those who want to know more about these services or want help in making a career plan or change, should contact the Career Development Center (973-3558).

CHILDREN'S CENTER (973-3538)

In order to make education more accessible to parents, WCC's Division of Student Services provides an excellent Children's Center. The convenient location, flexible scheduling and high quality program provide a service which not only allows students to consistently attend classes but to excel in their studies. The Center is inspected and licensed annually by the Michigan Department of Social Services and the Washtenaw County Public Health Department.

When:

The Center follows the complete WCC schedule and is open Fall, Winter, Spring and Summer semesters.

Hours: 7:30 a.m. to 5:30 p.m., Monday through Friday. (EXCEPTIONS: Spring Semester closing at 3:00 p.m. on Fridays and Summer Semester closing at 12:15 p.m. on Fridays.)

Ages:

- Toddler Program — 18 months to 2½ years
- Preschool Program — 2½ to 4 years.
- Preprimary Program — 4 to 5 years
- Summer Recreation Program — 1½ to 9 years

Programming:

While our parents are attending classes they are secure in knowing their children are being well supervised in a warm, loving environment. The children are also provided with comprehensive child development experiences including a variety of individual and small group learning activities, socialization and free play in a stimulating learning center.

An abundance of nursery school activities are offered including: art, music, indoor and outdoor physical activities, pre-reading, math exploration, self awareness, language and sensory

activities, problem solving skills, cooperation and creative studies.

Staffing:

Each of our four classrooms is staffed by highly qualified, college trained personnel. TLC (Tender Loving Care) is also provided by foster grandparents and child care aides. The Center also serves as a laboratory for WCC Practicum students in the Child Care Worker Program.

Registration:

Students and staff children must be enrolled EACH semester they attend. The Center registration schedule coincides with the College registration schedule.

Each parent must pay a \$6.00 non-refundable registration fee at the Cashier's Office, second floor of the Student Center Building. This receipt will enable you to receive enrollment packets for each child to be enrolled. These papers must be completed with information from your finalized College registration and returned to the Children's Center office 24 hours before the child's first attendance.

Hourly fees are charged based on the age of the child and the family income. The fees are computed for the full semester and divided into four equal payments with the first payment due prior to the child's attendance. Copies of the fee scale and payment procedure are available at the Children's Center Office in the Family Education Building or at the College Information Center, second floor of the Student Center Building.

To facilitate adjustment and consistency, children must:

1. Attend at least two continuous hours each day they attend.
2. Attend a minimum of two days per week.
3. Attend a minimum of six hours per week.

Registration is accepted for class time, study time or off campus time such as work, appointments or shopping.

VISITORS WELCOMED AT ALL TIMES. Please stop by the office for a personal tour. For more information, call 973-3538.

COLLEGE IN THE MALL (973-3408)

Washtenaw Community College, in cooperation with Briarwood Mall, will offer credit courses for Fall 1985 as a part of its extension program efforts. Classes will be held in the Mall's Community Room. Registration for these offerings will be held on Wednesday, August 28, from 7:00-9:00 p.m. outside of the Community Room.

Determination on whether a class is continued or cancelled will be made on the night of August 28, based upon the number of student enrollees.

Classes offered this term include:

TITLE	COURSE NUMBER	CREDITS	SECTION NUMBER	DATE	TIME
Intro. to Practice Yoga	211	3	060	M	10:00 a.m.-1:00 p.m.
Women In Management	220	3	060	M	6:00 p.m.-9:00 p.m.
Music Appreciation	180	3	060	T	10:00 a.m.-1:00 p.m.
Principles of Accounting	111	3	060	T	6:00 p.m.-9:00 p.m.
Beginning Conversational Spanish	120	2	060	W	10:00 a.m.-12 noon
Business Law	111	3	060	W	6:00 p.m.-9:00 p.m.
General Photography	090	2	060	R	10:00 a.m.-1:00 p.m.
International Cinema	150	3	060	F	10:00 a.m.-1:00 p.m.
Beginning Conversational French	120	2	060	S	10:00 a.m.-12 noon
Introduction to Business	140	3	060	S	1:00 p.m.-4:00 p.m.

COLLEGE INFORMATION CENTER (973-3622)

Not sure where to go with your question or concern? The College Information Center, located on the 2nd floor of the Student Center Building, is open Monday through Thursday

from 7:30 a.m. to 10:30 p.m.; on Fridays from 7:30 a.m. to 8:00 p.m.; and on Saturdays from 8:00 a.m. to 3:00 p.m. to assist with all types of College information.* Many printed materials about the College are available at the Center, and you are encouraged to come here or call for general College information, for directions or referrals to specific areas/individuals, for A.A.T.A. bus information, for information about "Lost and Found," or for assistance of any kind. Staff members are happy to meet you and help in whatever way they can!

*During periods between semesters/sessions, the Information Center has reduced office hours, being open only those evenings when registration is scheduled. Saturday office hours may also vary.

COLLEGE NEWSPAPER, FOCUS (973-3376)

FOCUS is the Washtenaw Community College newspaper for students. Students with talent in writing, graphics, and photography or with story suggestions or news items to share are welcome to contribute to *FOCUS* and should contact the editor. The *FOCUS* office is in SC 235, 973-3376.

CONTINUING EDUCATION SERVICES (973-3493)

For information on this Service Center, please see page 77.

COUNSELING CENTER (973-3464)

Counselors are available at the Counseling Center Monday through Friday, 8:00 a.m.-12:00 noon, 1:00-5:00 p.m. During the fall and winter terms the Counseling Center is also open from 6:30-8:30 p.m. Monday through Thursday evenings. The schedule of evening hours during the spring and summer terms as well as during semester breaks and holiday periods will vary. Contact the Counseling Center for specific scheduling during these times. Each student is assigned to a counselor who will discuss career goals and plan a program of classes at the college.

Counselors aid students in clarifying their vocational objectives. Interest inventories can be administered and reference made to occupational information which is available to students. In order to aid the student in planning his or her future education, a collection of college catalogs is maintained in the Counseling Center. A more extensive selection is available in the Learning Resource Center.

The professionally trained counseling staff will work with students experiencing personal or emotional problems or may refer them to the appropriate agency or service in the community for specialized assistance.

Counseling services include providing G.E.D. testing, transfer information, and tutorial assistance.

All students are encouraged to utilize the services provided by their counselors. Counselors are available for all part-time, full-time, day, and extended-day students at the College.

The entire faculty of Washtenaw Community College has a major commitment to help each individual student pursue a course of study planned to fulfill his or her goals. In order to accomplish this, instructors are committed to assisting students on an individual basis. Students are encouraged to confer with their instructors when problems or questions arise.

DENTAL CLINIC (973-3337)

The College has a complete, modern dental clinic which is open to students, faculty and staff during the Fall, Winter and Spring-Summer terms on Tuesdays and Thursdays from

8:00 a.m. until 12:00 noon and from 1:00 to 4:00 in the afternoon. Persons eligible for treatment in this clinic include students, staff, and faculty and members of their families. A non-profit nominal fee schedule has been set to cover basic costs of materials. Treatment is given by U of M dental students under the supervision of a licensed dentist. They are assisted by College dental assistant enrollees. Primary types of treatment include x-rays, oral prophylaxis and minor operative treatment. To make all appointments, stop by the clinic in LA325 or call staff at 973-3337.

DRAMA GROUP, THE COLLEGE PLAYERS (973-3625)

The College Players is a drama group at the College, open to all students regardless of major area of study. The group is a touring one which presents plays each year to between 6,000 and 7,000 people including audiences at Disney World in Florida. Other performances are given for area hospitals and schools. Community groups requesting performances should contact Dr. William Devereaux at the College. Interested students are invited to sign up at the beginning of each semester, stop by the theater in the Liberal Arts and Sciences Building or call drama staff at the above number.

EXTENSION CENTER COURSES (973-3408)

In an effort to better serve its students, Washtenaw Community College offers many of its credit courses throughout the college district in cooperation with local high schools and other institutions. A minimum of 12 students is required for each class.

Students are encouraged to register for classes in one of the following three ways:

1. On-campus registration. (See registration information on page 9.)
2. Telephone registration (See Telephone Registration on page 10).
3. Off-campus registration on Wednesday, August 28, from 7:00-9:00 p.m. at each site.

Registration will be held at those centers which offer the College's courses: the Ann Arbor 'Y,' Briarwood Mall Community Room, Ypsilanti Community Center, and the high schools in Chelsea, Dexter, Lincoln and Saline. (See Credit Course Offerings on page 12.) Determination on whether a class is continued or canceled will be made on the night of August 28, based upon the number of student enrollees. **Please see page 84 for information pertaining to the Brighton Area Center's registration times and services**

FINANCIAL AID (973-3524)

The Financial Aid Office at Washtenaw Community College exists to help students with financial difficulties they may encounter while attending WCC. The main function of Student Financial Services is to provide financial assistance to students who are in need of additional funds to attend college. The Financial Aid Office administers the major federal financial aid program, provides assistance to students through WCC aid programs and coordinates the many federal, state, institutional and private sources of financial aid.

In addition to determining students' needs for monetary assistance and administering financial aid to students, the Office provides many other resources to help students exist on limited budgets while attending college. These include referrals to community agencies, making available free money management publications and financial counseling.

Students are invited to stop in and see the staff in Room 223 of the Student Center Building, or call (313) 973-3523 whenever they have any questions relating to budgeting, meeting college costs, or applying for financial assistance.

No student should regard enrollment out of his or her reach because of financial problems. It is the policy of the College to assist students with meeting college expenses to the fullest extent possible consistent with federal, state, and college financial assistance regulations.

LEARNING RESOURCE CENTER

(973-3429)

The Learning Resource Center is an integral part of the total WCC learning environment. As the materials center of the College, the Learning Resource Center offers students and faculty the opportunity to use a collection of over 55,000 books, nearly 10,000 pamphlets and clippings, over 500 magazines, 20 newspapers, 500 college catalogs, and a growing collection of such audio-visual items as cassette tapes, video-tapes, 16mm films, records, slides, and filmstrips.

Faculty and librarians select the best of current and retrospective materials to respond to students' curriculum needs and extracurricular interests to keep information up to date, and to present varying viewpoints on subjects and issues. To help students use the Learning Resource Center, the librarians provide group instruction and assist in independent study activities.

The Instructional Media Area of the Learning Resource Center offers equipment distribution, film rental, and production services to College staff.

Learning Resource Center facilities include small seminar rooms, traditional study tables, informal lounge seating, and carrels specially equipped for the use of tapes, slides and similar audio-visual materials. **A microcomputer lab housing 36 microcomputers is also available for student and staff use.**

If needed materials are not available in the Learning Resource Center, the staff can usually arrange, on request, to borrow the materials from another library.

MATH CENTER

(973-3392)

This is an individualized study area which serves as:

1. The meeting place for self-paced mathematics classes (039, 090, 097AB, 110, 163, 165, 169AB, 177). Each self-paced mathematics class is designated in the Time Schedule with the symbol (*).
2. The place where mathematics placement tests are administered. These placement tests help the student decide the level of mathematics at which to begin. Students are usually referred for placement testing by self, counselors, or instructors.
3. An open area of study for mathematics classes. Students so studying may seek help on specific mathematics problems from available instructors. However, the first responsibility of an instructor is to the students in his or her class.
4. An information center regarding mathematics courses, procedures, policies, schedules, etc.

READING CENTER

(973-3301)

The Reading Center is located on the third floor of the Student Center Building. It is the area where reading classes are taught and where students may come to practice their newly learned skills. Students enrolled in reading classes are encouraged to use the facility regularly during the semester. The office hours are 9:00 a.m. to 3:00 p.m. daily in room 301, Student Center Building.

SECURITY

(973-3502)

The Office of Campus Security Services is located in Room 225E of the Student Center Building (behind the Information Center). The Office provides emergency medical technicians as well as security personnel to ensure the safety and security of the College community. Students and staff who need assistance can call 973-3502 (or 502 from an on-campus phone).

A security guard is on duty twenty-four hours a day. The guard station is in SC 146 near the loading dock of the Student Center Building. Telephones for emergency use are in the lobby of the Occupational Education Building, on the third floor of the Liberal Arts and Science Building, adjacent to Parking Lot C near the Family Education Building, and in the Parking Lot A Annex near the connecting road. These phones ring directly to Security personnel on campus—the user need not dial.

TELEVISION COURSES (973-3671)

Washtenaw Community College offers courses on television to be viewed at home which may be taken for college credit. Registration for telecourses is completed in the same manner as all other academic credit classes. For this procedure, refer to the REGISTRATION SECTION on page 9.

Telecourses are aired over WTVS Detroit, Channel 56; WKAR Lansing, Channel 23; WFUM Flint, Channel 28; and area cable network stations. For actual airing times, call the TELECOURSE HOTLINE (973-3671) and leave your name and address. A schedule will be sent to you with airing times and telecourse orientation dates. Tapes are also available in the Learning Resource Center for viewing purposes.

All students enrolled in the telecourse will be required to attend an orientation session/first class meeting on campus during the first week of classes. At this meeting, you will receive information on how to contact your instructor, assignments, testing, textbooks, etc. This schedule is available by calling the HOTLINE. Periodic on-campus meetings will be scheduled with the instructors.

The following courses will be offered this term. A description of these telecourses is located under CREDIT COURSE DESCRIPTIONS.

BUS 140.	INTRODUCTION TO BUSINESS.....	3 credit hours
	"The Business File"	
CIS 100.	INTRODUCTION TO COMPUTERS.....	3 credit hours
	"The New Literacy"	
EC 211.	PRINCIPLES OF ECONOMICS I.....	3 credit hours
	"The Money Puzzle"	
PSY 100.	INTRODUCTORY PSYCHOLOGY.....	3 credit hours
	"Understanding Human Behavior"	
SOC 100.	PRINCIPLES OF SOCIOLOGY.....	3 credit hours
	"Focus on Society"	
WS 109.	WOMEN'S HEALTH CARE.....	3 credit hours
	"Contemporary Health Issues"	



TRANSFERRING (973-3464)

If you are enrolling at Washtenaw Community College for the first time and are intending to transfer to a four year institution for a Bachelor's Degree, the best way to make sure that your first semester is a success is to plan it carefully. Some questions to be considered as you plan your first semester's schedule are as follows:

1. What is the name of the institution to which you plan to transfer? _____
If the answer is: "I'm not sure," or "there is more than one that interests me," that's okay. Not everyone knows where they want to finish their Bachelor's Degree.
2. What is the program of study (major) you want to follow: _____
If the answer is: "I'm not sure," or "there are several," that's okay. Many people don't know what they want to do when they are just beginning.

If you want help in making these decisions, it is suggested that you consider taking SPS 100, Career and Life Planning Seminar, or see a counselor for additional information on career planning.

If you have *decided* on *both* the *school* and the *program* (major) you want for your Bachelor's Degree, then you should obtain a *WCC Transfer Guide* for that school and program from the Counseling Center. The Transfer Guide will list the specific courses you should take each semester at WCC.

If you have *decided* on a *program*, but not on a specific school, you should obtain WCC Transfer Guides for several schools, and compare the recommended courses to be taken at WCC for each. Generally you will find that for a given program there are only minor differences; therefore, you should have little difficulty in determining which courses to take during your first semester at WCC. If you aren't sure of the courses to take, however, you can always see a counselor.

Whether or not you've made these decisions, you should consider the following in selecting courses:

Most Bachelor's Degree programs require courses in the following areas:

- A. English and/or Foreign language
- B. Social Science
- C. Humanities
- D. Natural Science

The specific courses in these areas at WCC which are recommended for your first semester are:

- A. ENGLISH
English Composition 111 (must demonstrate competency to write at acceptable college level) _____
Fundamentals of Speaking 101 _____
and/or
FOREIGN LANGUAGE
French, Spanish or German 111 _____
- B. SOCIAL SCIENCE
Political Science 108, 112, or 150
Geography 100
Psychology 100 or 150
History 101 or 102 _____
Anthropology 150, 201 or 202 _____
Sociology 100 or 150
- C. HUMANITIES
Humanities 101
Speech 101 or 131
Music 180
Philosophy 101 _____
Art 130 _____
- D. NATURAL SCIENCE
Biology 101 or 102
Chemistry 111 (if you've had high school chemistry)
Geology 100 or 114
Physics 111 (if you've had high school physics)
Physics 211 (if you've had high school physics and calculus and plan to major in engineering) _____
Mathematics 179* or above _____

The above listed courses can be taken in a variety of combinations. That is, you are not required to take all social science or humanities courses your first semester. A typical schedule will include courses from two or more or all of the four areas depending on your interest and high school background.

Before making any decisions as to which course(s) to take, you should select those classes which have interesting descriptions, and for which you are prepared.

*If you have any questions concerning your preparation for a mathematics course, you can go to the Math Center in LA 320 and take a placement test.

TUTORING (973-3464)

Washtenaw Community College offers a program in Peer Tutoring. The tutors are chosen from the current student body. Students who wish to help other students, to reinforce one's own knowledge and to get paid for doing it should contact the Counseling Office for further information. The Counseling Office is located in Room 227, Student Center Building.

VETERAN SERVICES (973-3479 and 973-3545)

The Veterans' Affairs Office, second level, Student Center Building, is qualified to handle all veteran matters. Specialized veteran counseling offers academic, personal and career advisement, interpretation of military records, and discharge up-grade counseling. Appropriate agency referral service is available when necessary.

It is the Veterans' Affairs Office's major responsibility to assure the veteran has someone whose only concern and responsibility is the veteran's welfare during his time at Washtenaw Community College.

Certification:

All veterans receiving benefits must see a veteran's counselor in Room SC227C before registering.

Any drops or changes made by veteran students are to be reported to the Veteran Certification Office immediately.

Continuing Veterans:

These students must turn in a completed certification card and a paid registration receipt to Room SC227B after registering for classes every semester to insure the continuance of their benefits.

New Veteran Students:

Veterans who have never used their VA Education Benefits should fill out an application with the VA Counselor, Room SC227C, then bring it with their DD 214, tuition receipt certification card, marriage license and birth certificates of dependent children, if applicable, to the Office of the Registrar (Veterans Certification, Room SC227B).

Previously Enrolled Veterans:

Veterans who have not attended classes during the previous semester should bring a copy of their registration receipt to the Office of the Registrar (Veteran Certification, Room SC227B).

Transfer Veteran Students:

Those students who have previously received VA educational benefits at another school must complete VA Form 1995 (Change of Place of Training) and submit it with certification card and a copy of their paid registration receipt to the Office of the Registrar (Veteran Certification, Room SC227B). DD-214 and transcripts from colleges or universities where the student has completed previous training must accompany the application.

WOMEN'S RESOURCES

In order to meet the diverse educational and occupational needs of the increasing numbers of adult women students, several areas of Washtenaw Community College have cooperated to present a variety of courses, workshops, seminars and special events. These offerings are planned to assist women to set goals, make career decisions, learn their rights, be more aware of their world, effect change and take action. The classes include the following:

Credit Classes:

For further information, please call Counseling at 973-3464 or the Adult Resource Center at 973-3528.

Credit-Free Classes:

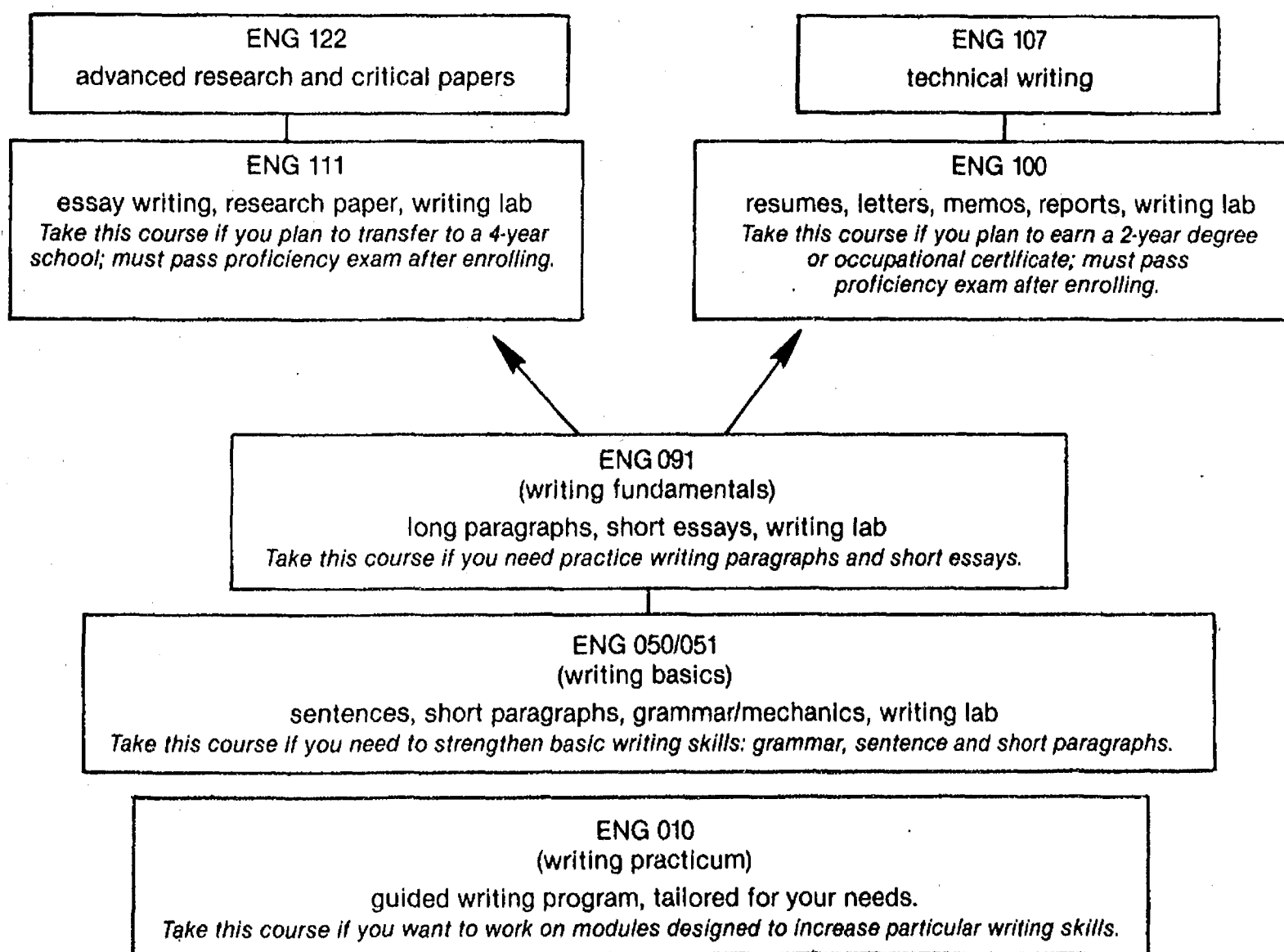
For further information, please contact the Continuing Education Services office at 973-3493.

WRITING CENTER (973-3647)

Two services are offered at the Writing Center. First, the Center provides you with a lab service when you are enrolled in English courses 050, 091, 100 and 111. Second, the Center assists you in completing writing assignments for any course at the College. You can work with Center staff on any aspect of a writing project, from deciding on a topic, writing a thesis, organizing your ideas, to reviewing a rough draft or proofreading a final copy. Check a copy of "Writing Lab News," available in the lab, 315 SC, for hours of operation this term.

Below is an outline of our writing courses and a "decision table" to help you select the course best suited to your needs. We've also included a "self-placement survey" to help you select an appropriate level of instruction. Instructors usually are available in the Writing Center during orientation and registration to answer any questions you may have about our writing program.

Writing Course Offerings





Decision Table

Undecided as to which writing course you are ready for?

Use the questions below to help you decide the course in which you are likely to find success and value.

- If you would like to polish your writing skills through a knowledge of the more complex language problems, you should select ENGLISH 085.
- If you've *been out of school a while* and feel that your writing skills are "rusty," you should elect ENGLISH 091.
- If you plan to elect English 100 or English 111, but first want to *take a "refresher" course in writing fundamentals*, you should elect ENGLISH 091.
- If you would like to *work individually* on self-instructional projects, you should elect ENGLISH 010, a one-credit hour writing practicum.
- If you would like to *sample our writing instruction*, you should elect ENGLISH 010, a one-credit hour writing practicum.
- If you would like help in *writing sentences and short paragraphs, and a review of writing grammar*, you should elect ENGLISH 050.
- If you plan to obtain a *one or two-year degree or certificate*, and do not expect to transfer to a four-year college, you should elect ENGLISH 100 (but you must pass a writing proficiency exam *after* you enroll in the course).
- If you already *have completed English 100* and plan to obtain a *supervisory level job*, or to advance in your present job, you should elect ENGLISH 107.
- If you are a *professional* who wishes to improve your writing skills, you should elect ENGLISH 107.
- If you plan to *transfer to a four-year college*, you should elect ENGLISH 111 (but you must pass a writing proficiency exam after enrolling in the course).
- If you already *have completed English 111* and plan to transfer to a four-year college, you should elect ENGLISH 122.

Student Placement Survey

If you would like help in deciding which level of writing you are ready for (050, 091 or 100/111), answer the following questions.

1. Up to now, I have written _____ papers.
 - A. two or less
 - B. three to five
 - C. six or more
2. If I found out that a class I was registered in required a long research paper, I would _____.
 - A. drop the class immediately
 - B. think seriously about dropping
 - C. not consider dropping at all
3. If I found out that a class I was registered in required a long research paper, I would _____.
 - A. be afraid of failure
 - B. be worried about getting a good grade
 - C. be confident in getting a good grade
4. After finishing a piece of writing, I am likely to feel _____.
 - A. embarrassed—wish I could have done better
 - B. no strong feeling one way or the other
 - C. proud—sense of accomplishment
5. I _____ write poems, stories, letters or entries in a diary or journal.
 - A. never
 - B. occasionally
 - C. often
6. I think of myself as a _____ writer.
 - A. weak or poor
 - B. average
 - C. capable and confident
7. When I write letters or notes, I feel _____.
 - A. I'm wasting my time
 - B. I may accomplish my goal
 - C. I'm certain to get the results I want
8. My vocabulary is _____ for college work.
 - A. deficient
 - B. barely adequate
 - C. Sufficient
9. In a typical page of a rough draft, I would probably make _____ spelling errors.
 - A. seven or more
 - B. three to six
 - C. two or less
10. When my teachers check my writing, they usually find _____ spelling errors per page.
 - A. seven or more
 - B. three to six
 - C. two or less
11. In a typical page of a rough draft, I would probably make _____ punctuation errors.
 - A. seven or more
 - B. three to six
 - C. two or less
12. When my teachers check my writing, they usually find _____ punctuation errors per page.
 - A. seven or more
 - B. three to six
 - C. two or less
13. I read _____ most people my age.
 - A. much worse than
 - B. about as well as
 - C. better than
14. I generally read a newspaper or magazine _____.
 - A. once a week or less
 - B. three times a week
 - C. almost daily
15. In the past year, I have read _____ books.
 - A. three or less
 - B. four to eight
 - C. nine or more
16. I _____ go over my writing and make improvements.
 - A. never
 - B. sometimes
 - C. usually
17. When I am confronted by new situations and tasks that look difficult, I usually feel _____.
 - A. frightened
 - B. no strong feeling one way or the other
 - C. challenged
18. I _____ will be able to spend at least three hours on homework for English each week.
 - A. rarely
 - B. usually
 - C. almost always
19. The longest paper or letter I have written in the past two years was _____ pages.
 - A. one
 - B. two to five
 - C. six or more
20. When I have to organize information for an essay, I _____.
 - A. have no idea how to begin
 - B. usually can develop a logical order for my ideas
 - C. almost always know how to express my ideas in their best order.
21. When I am asked to write a paper, I _____.
 - A. feel that I have nothing of importance to write about
 - B. occasionally feel that I have ideas other people might like to read about
 - C. usually feel that I have many good ideas to write about
22. When I finish writing a paper, I _____.
 - A. dislike having even the instructor read it
 - B. feel uncomfortable showing it to very many readers
 - C. like to have it read by many people

SCORING

If most of your responses were "A," then you should consider the 050-level course. If most of your responses were "B," then you should consider the 091-level course. If most of your responses were "C," then you should consider the 100/111-level course. If your responses were fairly evenly distributed among two or more letters, and you're not sure which course you are ready for, you should consult with someone in the writing center or a counselor.

APPLICATION FOR ADMISSION

WASHTENAW COMMUNITY
COLLEGE

NEW STUDENTS ONLY

This application cannot be processed unless accompanied by a \$10.00 application fee. This fee is non-refundable and is assessed one time only.

4800 East Huron River Drive
P.O. Box D-1
Ann Arbor, Michigan 48106
(313) 973-3300

1. Social Security No. RK 105
- PLEASE BE ACCURATE. THIS BECOMES YOUR STUDENT IDENTIFICATION NUMBER.**
2. Name (Please print) RK 100-Last First Middle/RK 101-Maiden ☐ Female ☐ Male
RK 111
3. Date of Birth / / Age Place of Birth
RK 110-MTH DAY YEAR
4. Permanent Address RA 662-Number and Street RA 663-City RA 664-State RA 666-Zip Code County
5. Mailing Address RA 672-Number and Street RA 673-City RA 674-State RA 676-Zip Code County
6. Home Phone () RA 667 Mailing Address Phone () RA 677
7. In case of emergency, whom may we contact?
Name RA 650 Telephone Number () RA 657
8. How long have you lived in Washtenaw County?
9. Veteran? Yes ☐ No ☐ U.S. Citizen? Yes ☐ No ☐ If on a visa, indicate type

This application is for: Fall 19 Winter 19 Spring/Summer 19

Please check one: ☐ Former Student ☐ New Student

Last semester in attendance at Washtenaw Community College

10. What will be your major at Washtenaw Community College?
(See inside cover for programs and codes)

Health Occupation Applicants: Anticipated date of entrance to program:

All students are accepted for general admission. Acceptance to the Allied Health programs is granted after approval by the appropriate area. An additional notification will be sent to the student accepted for those programs.

11. List most recent high school and ALL colleges you have attended**

Name of School	City/State	Dates of Attendance	Graduation Date
 	 	 	
 	 	 	
 	 	 	

**If you plan to receive a certificate or degree from Washtenaw Community College or are receiving Veteran's benefits, please request an official transcript from all colleges attended. If you wish to have a transfer credit evaluation prior to the start of classes, official transcripts must be received by the application deadline.

12. List FULL-TIME employment within the past year:

Place of Employment	City/State	Telephone Number	Dates of Employment
 	 	 	
 	 	 	
 	 	 	

I certify that the information given on this form is correct and complete to the best of my knowledge. It is understood that tuition charges are subject to adjustment should it be determined that the information set forth is incorrect.

Signature Date

It is the policy of Washtenaw Community College not to discriminate on the basis of sex or race in admissions, employment or in the operation of any educational program or activity. Any inquiries should be directed to our Title IX Coordinator. (See current Schedule of Courses for name and location.)

over
FOR OFFICE USE ONLY

Term Of App.	Adm.	Class	Res	Area	Program	High School	Grad	Term Of Adm.	Previous College	County	State	Country	Cn	Adv	Cst	Survey	KP	
RK 251	RK 256	RK 164	RK 119	RK 255	RK 258	RK 270	RK 271	RK 254	RK 261	RK 118	RK 117	RK 116	RK 142	RK 141	RK 267	RK 113	AL	
1	FFY	CGD	FR	GO	I			1					O	H1	M4	NEW	1	FB
2	JCX	GED	SO	GU	O	OE		2					S	H2	M6	REA	2	TD
3	SCX	HSN	WR	HS	C	GE		3					V	H3	M9	CON	3	HO
	HSD	WLR						4						H4	N1		4	DH
	ART	EMR						5						M1	N2		5	
	STF													M2	N3		6	
														M3	R1			

OPTIONAL INFORMATION

Dear Student,

Supplying the College with this optional information does not affect your admission to Washtenaw Community College, but the College is required to supply this information to various federal, state and local agencies on a periodic basis. The ethnic information is required for period compliance reports under Title VI of the Civil Rights Act of 1964. You will be asked to verify/change this information each time you register, so please take a few moments to complete this section and assist us in gathering complete and accurate information on our students. Thank you.

Please check ONE statement for EACH question.

- A. What is your PRIMARY educational goal in attending this College? (RT 393)
1. ☐ Improvement of existing "job skills"
 2. ☐ Preparation for "job to be obtained"
 3. ☐ University transfer credit
 4. ☐ Personal interest
 5. ☐ Other (describe) _____
- B. How do you expect to accomplish the above goal? (RT 394)
1. ☐ Selected course(s) only
 2. ☐ Certificate of Achievement
 3. ☐ Associate Degree
 4. ☐ Completed Apprenticeship Requirements
 5. ☐ Other (describe) _____
- C. If you are pursuing a formal program of study (i.e., Certificate, Associate Degree, Apprenticeship, other), what portion of it do you expect to have completed by the end of this term? (RT 395)
1. ☐ All
 2. ☐ More than half
 3. ☐ About half
 4. ☐ Less than half
- D. Please check below if you need special assistance from this College because of any of the following reasons: (RT 396)
1. ☐ Physical impairment
 2. ☐ Limited English speaking ability
 3. ☐ Financial deficiencies
 4. ☐ Academic deficiencies
 5. ☐ None _____
- E. Ethnic Group (RK 113)
1. ☐ American Indian/Alaskan Native
 2. ☐ Black, non-Hispanic
 3. ☐ White, non-Hispanic
 4. ☐ Hispanic
 5. ☐ Asian/Pacific Islander
 6. ☐ Non-resident Alien
 7. ☐ Other (describe) _____

FOR TOMORROW, START TODAY

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00 a.m.						
9:00 a.m.						
10:00 a.m.						
11:00 a.m.						
12:00 noon						
1:00 p.m.						
2:00 p.m.						
3:00 p.m.						
4:00 p.m.						
5:00 p.m.						
6:00 p.m.						
7:00 p.m.						
8:00 p.m.						
9:00 p.m.						

Questions? Need Help? Please call 973-3622 or 973-3300.

Washtenaw Community College
 4800 E. Huron River Drive P.O. Box D-1
 Ann Arbor, Michigan 48106

WASHTENAW COMMUNITY COLLEGE

WASHTENAW COMMUNITY COLLEGE

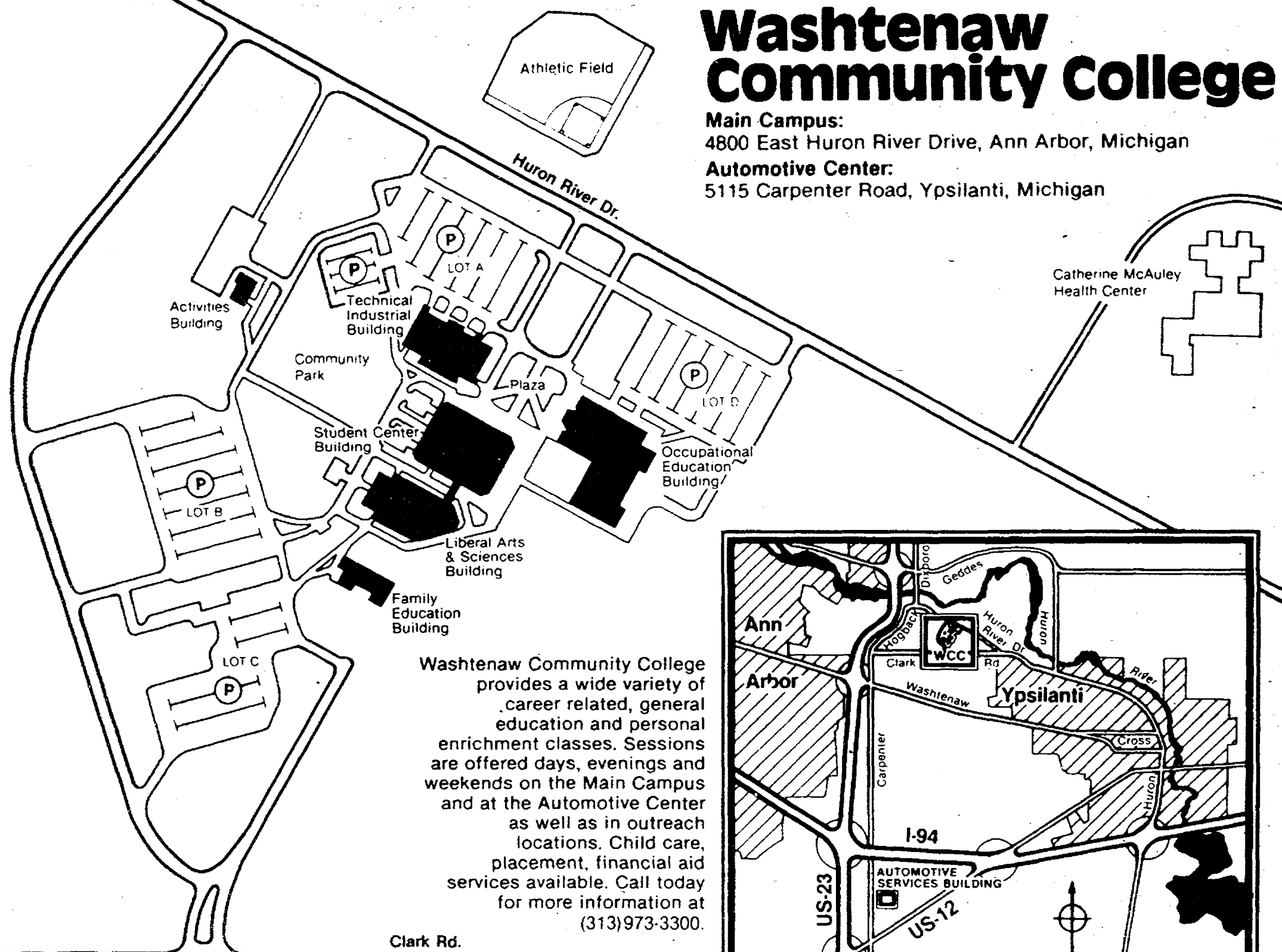
Washtenaw Community College

Main Campus:

4800 East Huron River Drive, Ann Arbor, Michigan

Automotive Center:

5115 Carpenter Road, Ypsilanti, Michigan

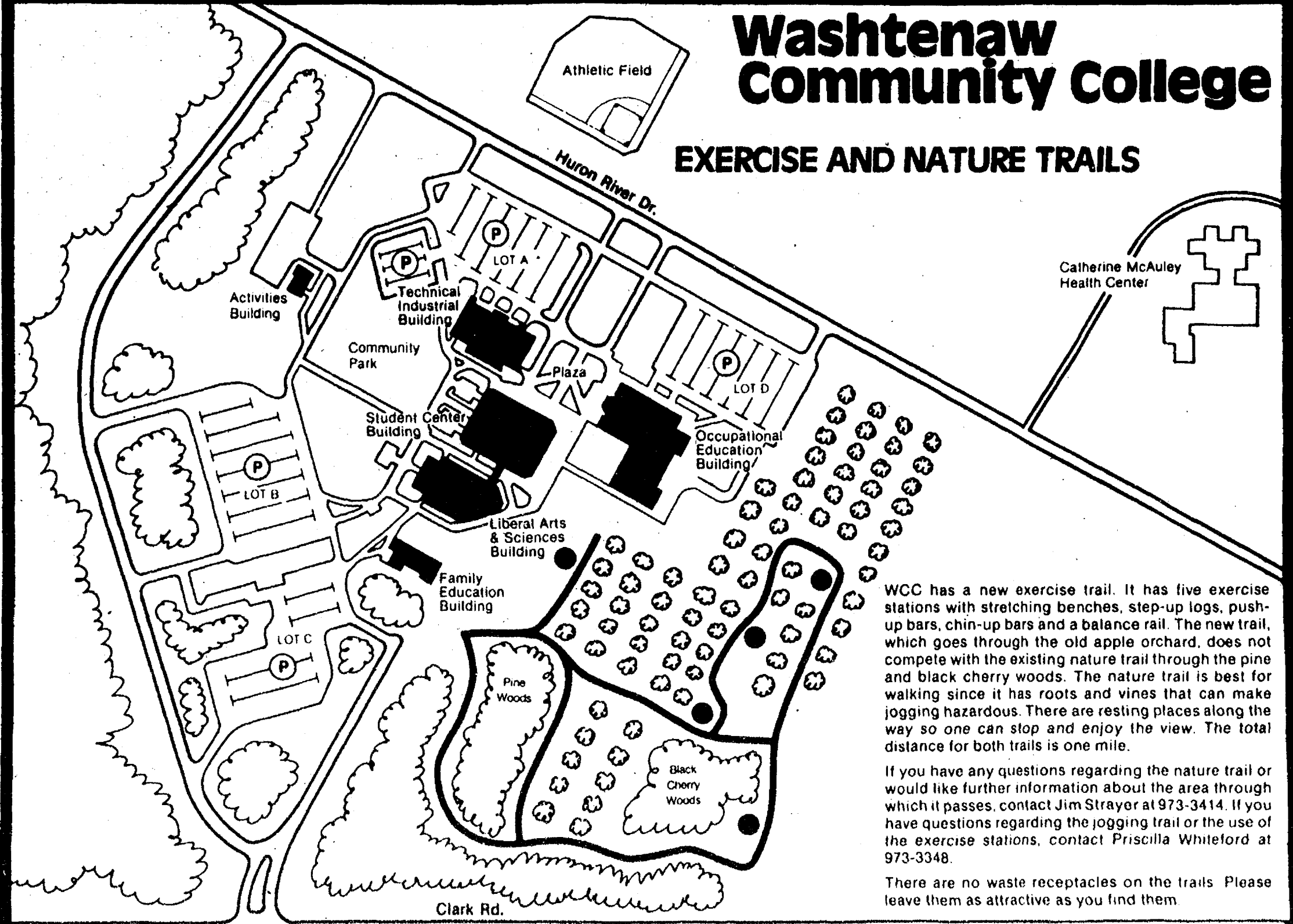


Washtenaw Community College provides a wide variety of career related, general education and personal enrichment classes. Sessions are offered days, evenings and weekends on the Main Campus and at the Automotive Center as well as in outreach locations. Child care, placement, financial aid services available. Call today for more information at (313)973-3300.

Clark Rd.

Washtenaw Community College

EXERCISE AND NATURE TRAILS



WCC has a new exercise trail. It has five exercise stations with stretching benches, step-up logs, push-up bars, chin-up bars and a balance rail. The new trail, which goes through the old apple orchard, does not compete with the existing nature trail through the pine and black cherry woods. The nature trail is best for walking since it has roots and vines that can make jogging hazardous. There are resting places along the way so one can stop and enjoy the view. The total distance for both trails is one mile.

If you have any questions regarding the nature trail or would like further information about the area through which it passes, contact Jim Strayer at 973-3414. If you have questions regarding the jogging trail or the use of the exercise stations, contact Priscilla Whiteford at 973-3348.

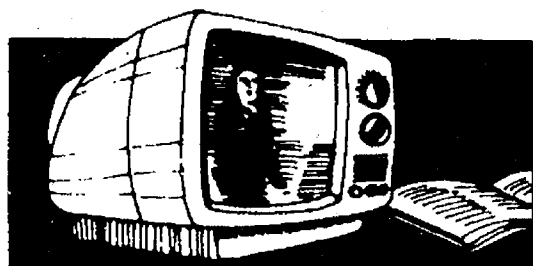
There are no waste receptacles on the trails. Please leave them as attractive as you find them.

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WASHTENAW COMMUNITY COLLEGE... On Television

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"The Business File"

CIS 100. Introduction to Computers
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"The Money Puzzle"

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"Understanding Human Behavior"

SOC 100. Principles of Sociology
"Focus on Society"

WS 109. Women's Health Care
"Contemporary Health Issues"

Telecourse Schedule

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Telecourse Orientation

All students enrolled in the telecourse will be required to attend an orientation/first class session on campus during the first week of classes. At this meeting, you will receive information on how to contact your instructor, assignments, testing, textbooks, etc. Textbooks and study guides will be available for purchase at the College Bookstore. Orientation dates will be mailed to you by calling the Telecourse **HOTLINE (973-3671)** and leaving your name and address.

TELECOURSE HOTLINE: 973-3671

Washtenaw Community College
1801 East Main Street Drive, P.O. Box D-1
Ann Arbor, Michigan 48106

Special Order Package Paid
at Ann Arbor, Michigan