



THE ARROW HEAD



STUDENT PUBLICATION OF CENTRAL HIGH SCHOOL
THE EAR AND EYE OF CENTRAL HIGH

VOLUME 38

FLINT, MICHIGAN, MONDAY, FEBRUARY 27, 1961

NUMBER 8

Singers Active; Choir Festival Leads Activities

With the new semester have come many new activities for Central's Girls' Glee Club. On their calendar is a District Vocal Festival in Sebawaing, March 4, election of officers, and an extra-curricular candy sale.

At present both the Glee Club and the Choir are preparing for the vocal competition with the choirs and glee clubs from other Michigan high schools. In the competition, each individual singing group will sing one required song and one other song of its own choosing. The required song this year is "Veni Christi Sponsi" by Claudio Monteverdi. The optional song is "This Day is Mine" by Elizabeth Ware.

There is no actual winner, but each singing group will be rated anywhere from an excellent number one rating to a fair number four rating.

At the start of the new semester, the Glee Club elected new officers. The new officers for this semester are: president, Donna Coon; vice-president, Marquintes Ralston; recording secretary, Gayle Rushlow; and attendance secretary, Christine Whipple.

Others are: social chairman, Sally Foreman; head librarian, Marsha Van Camp; assistant librarian, Jeanne Cull; publicity officer, Donna Hardin; wardrobe mistress, Sharon McIntosh; treasurer, Patricia Neithercut; and assistant treasurer, Lynn Hurand.

Also among the activities of the Glee Club is an extra-curricular candy sale. Bars of delicious chocolate are available from members of the Glee Club for fifty cents.

Thirty Enter 4th Contest

Approximately thirty Central students are registered to participate in a state-wide mathematics contest here March 2, 1961.

This will be the fourth annual prize competition in mathematics sponsored by colleges, universities, professional and industrial organizations in the state.

The purpose of these contests is to foster a wider interest in mathematics and to focus attention on the important position of math in every well-rounded educational program and most professions and trades.

The contest is open to all Michigan high school students who register before February 12 and requires an entrance fee of 50 cents.

The tests are based on the four year high school curriculum and are divided into two parts. The first part, a multiple-choice is designed to test the math background of the student, while the second section is written and determines the math maturity of the competitor.

Sixty scholarships are awarded ranging from \$100 to \$600. The highest scorer on the test receives a gold medal.



HANDING CERTIFICATES OF MERIT to the five finalists is William Melzow (left). The five finalists are (front row from left) Margaret MacVicar, John Delos; (back row from left) Douglas Jenkins, John Seeley, and Howard Downing. These students gained the certificates by acquiring high scores on the National Merit tests. (Photo by Dave Rieder).

Classes To Earn Profits By Boosting Ticket Sales

Student Council recently passed a motion to help increase student attendance at school functions.

Tickets for the activity will be given to each class to sell. At the close of the ticket sale each class will be given one third of the gross taken in by that class. This will be clear profit for their treasury. The rest will go to the sponsoring organization.

"The main purpose is to get more students at school activities," reported John Seeley, Student Union president, "not as a class project or for the sponsoring organization to get more money because more tickets were sold, but both would be accomplished. It must be understood that this does not have to be used, but the Student Council is making it available if the sponsors of the activity wish to use it. We feel, though, that the clubs will want to use it, for they want a good attendance at their activities, especially plays."

Federal Gov't Offers Loans To Undergrads

Now is the time to apply for awards and scholarships, and there are many available for Central students. Most are based on need while others deal with leadership or a special field of interest such as nursing.

The Stella A. and Frederick S. Loeb Scholarship Awards given by a local philanthropist, are based on need. However, scholarship and citizenship are also taken into account. William Melzow, dean of counseling, has application forms.

Flint Junior College also offers a scholarship or grant-in-aid to promising students on the basis of worthiness and need in the form of tuition aid. Interested individuals and organizations have sponsored this renewable financial grant. The application must be submitted by August 15 for fall enrollment.

"To identify and educate more of the talented youth of the nation and to insure trained manpower of sufficient quality and quantity to meet the national defense needs of the United States", according to The National Defense Education Act of 1958 is the purpose of its loan program.

Recipients are selected by the individual university and college to which they apply. The applicant must be a full-time undergraduate or graduate student, in need of the loan amount to pursue his course of study, and capable of maintaining a good standing in his course of study.

In one year a student may borrow not more than \$1,000 and not more than \$5,000 during his entire course of study.

Bill Webster, also known as

This proposal was considered best by the Council, for the class could be sure of receiving a commission on each ticket sold. If a percentage of the profit were taken, the class might not get anything to add to its treasury, if the net profit didn't balance the budget of the sponsoring organization.

Belle Masque

Belle Masque members, with the aid of Ernest Cole, sponsor, and Leslie Fitch, student director, are rehearsing "Us Girls" for presentation March 2 and 3.

"Us Girls", written by Winifred Storer, is a story of a dream of a girl in love. The play takes place out-of-doors during one of the Cutless College dances. Cutless College for girls, that is, and as usual no boys are allowed to attend the dance.

Two of the girls' boy friends decide to go to the dance anyway. They go dressed as girls and pretend they are students of the college.

Judy Purdy and Rita Salipper play the part of Viola Barth, Vie to her classmates at Cutless College. Practicing for the part of Madeline Smith, Maddy, are Marquise Conaton and Carol Schwyn.

The part of Priscilla Lane, Percy, is being played by Judy Yahr and Jean Kline. Rita Schaefer plays the part of Geraldine Watson, better known as Gerry.

Robin Cuppernal and Jackie Madison are preparing for the part of June Bradwell, a beautiful but dumb college girl. Florence Strangland, a girl majoring in dramatics, is played by Ingrid Schlansky and Roberta Rowe.

Bill Webster, also known as

P. Vercoe Reveals Names of Finalists

Philip H. Vercoe, principal, recently announced that John B. Delos, Howard G. Downing, Douglas W. Jenkins, Margaret L. A. MacVicar, and John E. Seeley have attained finalist status in the 1960-61 National Merit Scholarship Program competition.

Each of these seniors has been awarded a Certificate of Merit.

The seniors reached the rank of finalist by their superior performance on two tests which were given in the spring and fall of 1960. An endorsement by their high school was also required.

Only six-tenths of one per cent of the seniors in each state received the award. Altogether about 9,800 students in the United States and possessions received the honor.

Merit Scholars will be selected from the finalist group. They will receive scholarships from the National Merit Scholarship Corporation and affiliated sponsors. Merit scholarships, based on need, range from \$100 to \$1500 a year for a four-year period. Merit Scholars will be announced on April 27, 1961.

A Selection Committee composed of experts in academic selection chooses recipients of National Merit Scholarships and some sponsored scholarships. Individually selected boards select those who receive other sponsored scholarships. The panels also consider high school grades, recommendations by high school officials, leadership, citizenship, and extra-curricular activities in addition to test scores.

In March, the seventh annual National Merit Scholarship Program will begin when the National Merit Scholarship Qualifying Test will be given in to juniors participating schools including Central.

Seniors Select 3-Act Comedy For Production

"Arsenic and Old Lace" is the play selected for the annual senior play.

The three-act comedy by Joseph Kesselring will be presented April 6 and 7. Tryouts for the play will be February 27. Seniors who are interested should read the play before the tryouts. Copies are available in the library.

There are three women's parts in the play, that of two old ladies and the girl next door. Male characters include a brother who thinks he is Teddy Roosevelt, a nephew who is a criminal, his friend "Dr. Einstien" who is also a criminal, a nephew who is a drama critic, and two looney policemen.

The story is based on a contest between the two little old ladies and their criminal nephew as to who can claim the boarders as victims.

Produced in New York in 1941, the play has been popular ever since.

Readies 'Us Girls' for March

Gertrude Harringbone is played by Leslie Wheaton. Chuck Locker is playing the part of Jim Daniels, sometimes known as Jane Withers.

Dean Pratt, sometimes referred to as "Old Crocodile" is being played by Jo Ayn Rule

and Sally Jo Saller. Professor Chesterson is played by Gary Nelson.

Mrs. Chesterson, caretaker, is played by Martha de Boer and Mary Nagle. Denniye Sutton plays the part of Hilda, a maid at Cutlass College.



"THIS IS HOW YOU DO IT," says Ingrid Schlansky (left) as she shows Leslie Wheaton (center) and Charles Locher how to vamp for the Belle Masque play. (Photo by Dave Rieder).

Kennedy's Tenets Applicable

Splat! And so ends another unwanted apple or orange—on the lunchroom floor or on a desk in front of some unsuspecting student calmly eating his lunch. Until recently, it was common to be hit on the head by the remains of someone's lunch as it was winging its way toward the wastebasket. This, however, has been stopped by the arrival of new desks in the lunchroom.

Preparing for the time when the lunchroom will become a study hall, all new desks have been placed in 303. In order to protect these expensive pieces of furniture, a supervisor has been placed in the lunchroom.

This may be all right in grade school or junior high, but why is it necessary for a senior high? Mainly because some of the people who eat in the lunchroom aren't acting like senior high students, but are instead acting like refugees from the jungle.

President Kennedy has adopted the attitude of let's see what you can do for your country, not what your country can do for you. Let's try here at Central—let's see what we can do for our school, not what our school has to do for us.

Perhaps if everyone tries his best to act his age in the lunchroom, supervision will no longer be necessary. —Linda Flickinger.

Pupils Expect Entertainment

Television, though at times educational, is doing its job of entertaining too well. Students in high school now have grown up with TV's in their laps, and those who are in junior high were born with a silver TV in their mouth rather than a spoon.

For years we have been entertained by a box to such an extent that we expect to be entertained whenever we see a movie or read a book in school.

Many of us complain that the books we read for extra credit or as a class are boring and uninteresting. Could it be we are looking for entertainment rather than education?

When we pick up a book the first thing we wish to know is "Is it entertaining?" rather than "Does it tell me what I need to know?"

We have to become interested in enlightening our minds rather than amusing what little we have when we are in school. Usually it's not the book that is dull or boring, it's the brain that is trying to comprehend.

Books may be hard to read, but that does not necessarily keep them from saying something worthwhile. A book is what the reader makes it. —Chuck Beldin

Misuse of Library Expensive

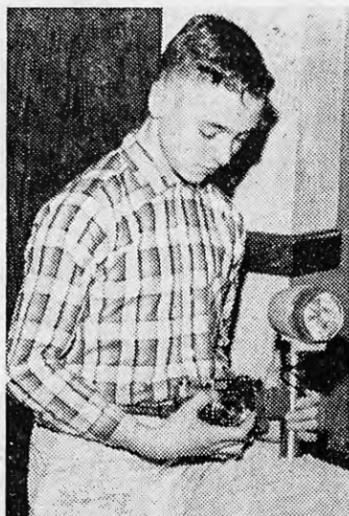
In this day and age of space, nuclear power, compact cars, frozen TV dinners, and great medical advances, there is no doubt that the world is becoming a better place in which to live. But what about the people themselves? Have the American people forgotten the things that will make a better life? Have we forgotten to think of the other person?

Thoughtlessness around school is evident in many forms. Thoughtlessness in misusing the public library, in littering the halls and the lunchroom. Thoughtlessness is being tardy for classes and in skipping classes.

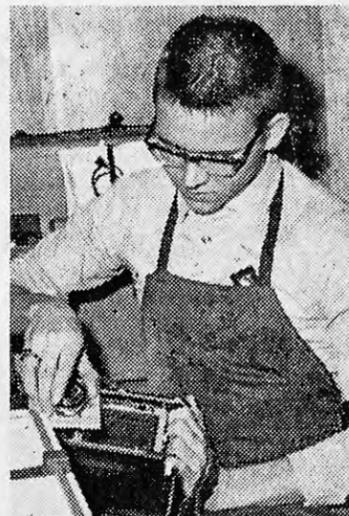
Everything done with a lack of respect and regard for the other person increases the duty or work of someone else. What were the results of Central students misusing the public library? Mr. Broome now issues permits to use the public library before 3:10, taking up his valuable time as well as the librarians' time, who now have to check on the students there.

Parents and taxpayers are now paying money for the janitors the school has. Of course, the school must have people who are able to keep it running smoothly, but some of their time is spent cleaning up the litter in the halls and lunchroom; proof positive of someone's thoughtlessness.

Responsibility is one aspect of a student who is mature and knows how to get the most out of his school. If we were to take a little more responsibility upon ourselves, I believe we would find Central a more fruitful, and generally better place to be. —Karyl Swayze.



HOURS OF WORK go into each picture which appears in either *The Arrow Head* or the *Prospectus*. David Rieder (left) prepares to snap a picture, the first step in the cycle, while Douglas Ranger cleans the lens of his camera in preparation for his next assignment. (Photos by Douglas and Lee Ranger, respectively).



Boys Plan Photo Careers

Douglas Ranger and David Rieder are probably among the busiest seniors at Central for they not only carry a full "load" of classes but also spend many hours each week as photographers for the *Arrow Head* and the *Prospectus*.

Few recognize the hours of work (at least ten hours per week) which David as *Arrow Head* photographer and Douglas as *Prospectus* photographer put into their pictures.

David became interested in photography about four years ago when he began taking pictures with a small Kodak "Holiday" as a hobby. As he gained experience, he graduated from a simple camera to the camera he now uses, a 35 mm. Watz "Envoy." He now owns all his own developing equipment including enlarging, focusing, and drying equipment.

Douglas' photographic interests also began in the seventh or eighth grade when he became curious about his older brother's photographic equipment and began to read the developing instructions included in boxes of film.

Douglas now operates the school's 4 x 5 Graphic camera for all large group pictures as well as his own 35 mm. Skylark Mansfield. He has built his own darkroom in which he himself has installed running water.

Among his equipment are two enlargers, filters so that he may use the same quality paper for all pictures, and an old Ironite ironer to dry the prints.

In preparation for his future career in photography, David has been working in the darkroom of the Baldwin-Chase Photographers Studio and hopes to attend the Brooks College of Photography in San Diego, California, in the fall.

Douglas plans to begin work at Craine's Studio in June.

Astronomers Announce No Full Moon for Feb.

"Quick now! Name some unusual phenomena that have taken place during your lifetime."

At this present time, you are living in a month in which a phenomenon will happen that will repeat itself only seven times during the next two centuries.

The phenomena of which I am talking is this: The month of February will have no full moon.

Von Del Chamberlain, staff astronomer at Longway Planetarium, explained how this phenomenon can happen.

In astronomers' circles,

Flower Hues Show Effects Of Radiation

"Watch the needle jump," exclaims Elmer Galley as he explains how the Geiger counter reacts in the presence of radioactivity. The Biological Science Curriculum Study class of Mrs. Freda Parmelee is studying the effect of radioactivity on plants.

The first hour class was privileged to have Elmer Galley, the science consultant for the Flint Public high schools, conduct their class. One experiment was to compare materials which will block out the radioactive rays. A small disc containing a radioactive element was placed on a table. A small frame was set up between the disc and the detector. On this frame cardboard squares were placed; this pile increased until the "clicks" were back to normal.

This same procedure was used with lead and aluminum squares. The class discovered that the lead squares blocked out the rays more efficiently than the others.

Mrs. Parmelee related an amusing story where a carnation plant was partially exposed to radiation. The plant then had pink and red carnations growing on the same stem.

there are two types of months. One is the sidereal month, which consists of the time it takes the moon to circle the earth; this period covers roughly 27 1/3 days.

The other, the synodic month, represents the interval of time between one full moon to the next full moon; this month is roughly 29 1/2 days.

The difference in months comes about as the earth moves in its orbit around the sun. At the end of the sidereal month, or 27 1/3 days, it takes the moon an additional 2.2 days to catch up, or a total of 29 1/2 days altogether, which is a synodic month, or time between full moons.

Since the month of February has only 28 days, and it takes 29 1/2 days to complete a phase of the moon, we can see how this could be possible under certain circumstances.

Although the fast pace of the modern world does not slacken, it is well to note phenomena do not lag behind, but happen periodically and provide those who are interested with fascination and intrigue.

Skiers Migrate Northward

Sunrise found a group of the hardest, most dedicated human beings from Central already on the highway headed north. These rugged individuals arose from bed in time to report in front of school with all of their various equipment at 6:30 a.m. Central's Ski Club was again headed for Caberfae.

The club has migrated to Caberfae twice this winter and is planning another trip March 4. The first trip, made January 14, resulted in the incapacitation of two skiers. Everybody who made the February 4 trip returned safe, sane, and in one piece.

Each of the trips, beginning at 6:30, in front of Central, cost \$3.75. The bus stopped at Clare, Michigan, for a 45-minute travel break, and then continued the four and one-half hour trip to the ski area.

Caberfae Ski Club is a 640 acre state-owned ski resort. The area has 33 slopes and 31 tows. In addition to this there are three T bars, and two ski jumps. The lounge, rental shop, cafeteria, pro shop, and instructions for beginner and intermediate skiers make Caberfae the ski area with the

greatest attendance in the state of Michigan.

The March 4 trip will also cost \$3.75. Marvin Shebel, club sponsor, stated, "You don't have to know how to ski to make the trip. You can learn there. We usually have eight or ten beginners on every trip who end up the day on the intermediate slope."

Why Not?

Dear Editor:

Socialism, communism, anarchy, nationalism, and democracy are all possible forms of government. Our generation is continually being reminded that we are future citizens and defenders of America. We have all heard that statement that the future of the United States depends upon its well informed citizens. In this case every citizen should have an understanding of all forms of government in the world.

Why can't a one semester course on foreign political systems or foreign philosophies be taught at the 12th grade level? The philosophies of all of the above-mentioned governments could be explained in the course.

The American people are constantly hearing of the evils of some of these forms of government, and are saying that they have to be kept from spreading to the United States. The only way these evils can be fought is by having a complete understanding of their principles. They can't be combated if we don't know what we are fighting. A class explaining these governments would pay big dividends in the future security of democracy.

An Interested Junior
Editor's Note: We appreciate your letters. Letters may be placed in the *Arrow Head* box in the office. All letters must be signed, but names will be withheld on request.

THE ARROW HEAD

EDITORIAL STAFF

Editor-in-Chief Ann Montgomery
 Managing Editor Hope Ashbury
 Editorial Board—Linda Flickinger, Marya Withey, Sue Thorpe, Jack Meyers, John Siler, Pearl Marie Hyche, Terry Tremewan, and Chuck Beldin.
 Reporters—Mike Arthur, Ed Bagley, Diana Carpenter, Carol Dye, Melissa Foster, Christine Lindhurst, Lois Livesay, Holly Montgomery, Karyl Swayze, and Dave Walton.
 Photographers Douglas Ranger and David Rieder
 Editorial Adviser Miss Vernita Knight

BUSINESS STAFF

Co-Business Managers Karen Emiry, James Jackson
 Business Assistants—Linda Barber, Richard Burr, Ralph Hamady, John Kaufherr, Marilyn Lince, Jo Ellen Malone, Linda Rose, Burt Southard and Wally Weir.
 Business Adviser Mrs. Hazel DeHart

Teachers Join Authors' Rank Through Efforts

Miss Mildred Hodges, U. S. History teacher, and Graham Provan, history teacher, have joined the other faculty members who have had material published.

Miss Hodges wrote an economics workbook to go along with a series of pamphlets on basic economics which were published by the Industrial Relation Center of the University of Chicago. The workbook contained 11 chapters, one for each pamphlet.

The workbook was written in 1957, and contained 400 pages.

Mr. Provan contributed two sections to "British Diplomacy, 1870-1920." The two sections are summaries of the British foreign policy during this period. The book was published by the University Press, in England.

The first section, based on research done at the University of Edinburgh in the summer of 1959, is a compilation of essays, critiques, and documents dealing with the formation of the alliance system prior to World War I.

The second section, also a compilation of essays, critiques, and documents, deals with the conduct of the British foreign policy as a contributing factor to World War I.

These two sections are a part of Mr. Provan's doctoral work on British diplomacy.

The sections will be in the library for the students to use.

Experiments Stress Past Of 3 Fields

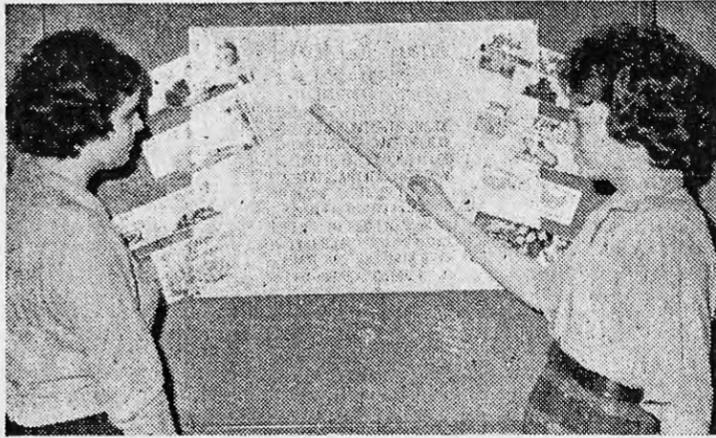
Harvard University's Graduate School of Education is conducting a national experiment in science teaching at Central, the History of Science Cases (H.O.S.C.) The class uses case studies which cover the three major fields of science: chemistry, biology, and physics.

The major idea of the experiment is to take a historical approach to major scientific concepts and to develop a student's understanding of scientific enterprise.

In Edward Brigham's first hour biology class, students will cover three cases concerning biology.

One experiment was a repeat of Galvane's and Volta's experiments with electrostatic machines in causing frog muscles to contract. Both scientists thought that nerves were conductors of electrical impulses, but they disagreed on other things. Volta didn't accept Galvane's conclusions and his following experiments led to the development of the wet cell battery.

Two more cases coming up soon are on the cell and on the sexuality of plants.



EXAMINING THE NUTRITION DISPLAY for Mrs. Louella Conklin's nutrition class are Sharon Algace (left) and Glenda Barrow. Bulletin boards such as this one are among the student projects which aid the nutrition students in their food buying studies. (Photo by Dave Rieder).

Homemaking Key to Future

What part will the management of money, time, and energy play in the student's life tomorrow? Even though the broad horizon of living has changed from a "do it yourself" age to one of "push buttons," this management is vitally important.

Homemaking exists for the purpose of preparing students for their responsibilities and challenges as adults. "This department for boys as well as girls provides a knowledge of cooking, sewing, and good nutrition; the latter is especially important, for we are what we take into our bodies," states Mrs. Louella Conklin, homemaking teacher.

Working out budgets is one project in which the class participates by pricing foods, watching advertisements, and studying efficient and economical methods of buying food to fit the budget.

A chart relating to the essential information which should be available on can labels is one example of a section that the class covers in its study of budgets.

Revamping house plans which are drawn to scale and made to fit a given family income is a project done by some of the boys while the girls are baking various foods.

In addition to these projects, the students also make up dietetic trays following the standards of good nutrition and discuss the question of homemade goods versus the store-and-manufactured products.

Mrs. Conklin also instructs a foods class for boys. This class is to improve standards of health and give students an

adequate knowledge of the kitchen and its utensils. The course also gives the boys a background of information on clothing and articles found around a house so they will know what to look for in quality.

Robert Bailey Guest Soloist At Symphony

Appearing as featured soloist with the Flint Symphony Orchestra, February 21, Robert Bailey, 1955 Central valedictorian, played Beethoven's Piano Concerto No. 4 in G Major.

The audience was so impressed by Robert's talent that he gave an encore, something seldom done, according to Raymond Gerkowski, conductor.

Robert, who is now studying toward a doctorate in music history at Princeton University, hopes to become a professional pianist and to teach music history in a university.

He says that because he must commute to the Juilliard School of Music in New York City for music lessons, he finds it difficult to practice more than two or three hours each day.

After graduating from Dartmouth College in 1959, he studied under Professor Friedrich Kuchrer at the Academy of Music in Munich, Germany. Robert states, "Even in Germany, there is rock-and-roll, but the common man in Germany is more aware of classical music than the common man in America."

Debaters Receive Watches, Knives

George Washington, a speech on the value of debating, letters, pins, and rubber knives combined to make the debate banquet on February 9 an appropriate end to a successful season. Central finished second in the Saginaw Valley League as a result of the last tournament on January 12th.

The dinner, which started at 6:30 in the Masonic Temple, was attended by parents as well as debaters, and included some members of Central's faculty — Philip Vercoe, Miss Mabel Pinel, and the teachers who had judged for the school during the last season.

After the dinner itself, toastmaster David Berman introduced the entertainment for the evening, a mock debate with John Lossing and James Harvey as participants. They impersonated the owner of a Delaware ferry and George Washington, respectively, debating the topic: "Resolved: that ferry service on the Delaware River should be improved." The audience appeared to enjoy the skit and "Washington's" white wig.

James Jaksa, debate coach at Junior College, gave a speech emphasizing the importance of debating in both high school and college. He said the training debate students were getting now would help them greatly in later life, and quoted John Stuart Mill, William Jennings Bryan, Aristotle, and Daniel Webster as praising speech highly.

Coach Stanley White gave out a few nonsense prizes to several teams, including toy watches, rubber knives, and feathers. His toy watches went

to James Klee and Robert Rosborough, the most conscientious team," so that "they will always remember how valuable time is." After marveling at Karen Smith's and Tony Lawrence's 7-1 record, Mr. White suggested they must have pressured their judges. Therefore, he presented them with rubber knives so they might make their threats even more effective in the future. Diane Granger and Leslie Fitch got the feathers, since they were the "most humorous team," and tickled Mr. White the most during the year. Then the regular awards were presented.

Receiving letters signifying one year on the team were Dee Allen, James Harvey, and John Lossing, sophomores; Leslie Fitch, Diane Granger, Linda Kronlund, and Paul Matz, juniors; and Zoanne Allen, a senior.

Pins for two or three years participation went to Diane Roth, a junior, and James Klee, Tony Lawrence, Sharon Lueck, Robert Rosborough, Arnold Skulsky and Karen Smith, seniors.

Do-Boy Doughnuts

4027 Industrial
SU 7-8221

6309 N. Saginaw
SU 9-0871

Flint, Michigan



We give special attention

to

Church and School Parties

Australian Talks At NHS Meeting

Frank Mansfield, a General Motors Institute exchange student from Australia spoke about his country to members of the National Honor Society at their February 21 meeting.

He also showed slides to illustrate his topic—"Australia Today".

Plans are now being made for the NHS banquet. This will be the first banquet conducted by the society; it is planned for April 18 as the regular monthly meeting. Present members only will be invited.

Rogers
STUDIO
634 HARRISON
Phone CE 9-6222

Enlarged to show detail

Emphasize brilliance

by choosing this lovely diamond fashioned in a masterful design of enduring beauty. The brilliance of the center diamond is enhanced by the 4 round side diamonds. In white or natural gold. From \$75.00 federal tax included

Roy Groom & Sons
440 S. SAGINAW ST.
EXCLUSIVE JEWELRY

For pep and zip and vigor too, Milk's the drink that's best for you!

SEALTEST DAIRY
Phone CE 2-7451
305 S. Walnut

Typists Work For Awards

Ten minutes may not seem like a long time to most people but to a person taking a timing in typing to win an award, ten minutes seems like eternity.

"Today's Secretary," a magazine subscribed to by students in Mrs. Erma Carpenter's classes is the source of the timing material. The name of the material is "Application For Competent Typist Awards." People from all over the globe can enter the contest.

Up to five errors are allowed on the timing and a minimum of forty words a minute must be reached.

Out of Mrs. Carpenter's classes seven girls are now trying to win awards. These girls are, Nancy Bellinger, Linda Eaton, Ruth Anne Payne, Tena Price, Sherry Stewart, Gail Vaccaro and Vivian Watson.

One girl out of the seven typed a perfect timing for ten minutes and netted a minimum of 52 words a minute. The girl who performed this difficult task in Nancy Bellinger.

Students View IBM Machine

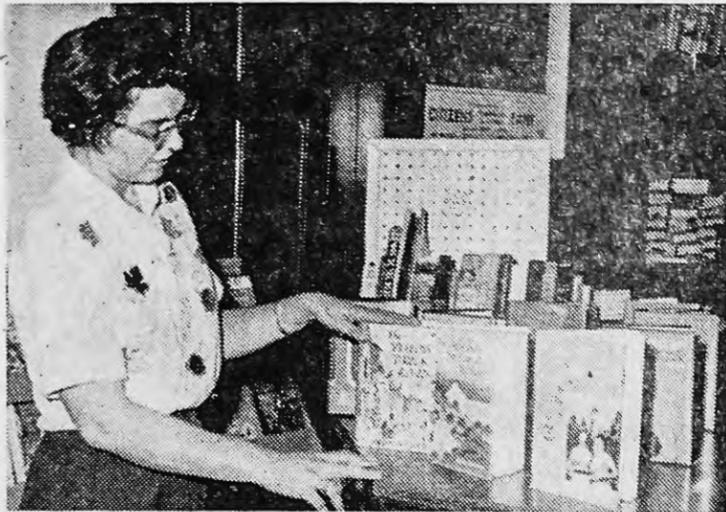
Delta Epsilon Tau, Central's math club, will take a bus to Ann Arbor, March 2, 1961, to visit the campus of the University of Michigan.

The bus will leave at 8:30 a.m. and return to Central at 3:30 p.m.

A high point of the tour will be the computing center, where an IBM machine co-ordinates all computational work for all research departments of the university. The club will also view the Phoenix project, an atomic research center.

There is room on the bus for 37 people, and non-members will be accepted after all members have had a chance to sign up. The cost is \$1.80.

Bryce Shaw, club sponsor, will accompany the club to Ann Arbor.



PLACING NEW BOOKS on display is Mrs. Marian McCrady, Central's librarian. These books are just a few of the many that have arrived in the library recently. (Photo by Dave Rieder).

Library Adds Books To Shelves Monthly

One box of books a week, about fifty books a month; that's the number of new books our library receives regularly. The topics of the books are as varied as possible. Below are some of the new books in the library this year.

"The Hunt For Richard Thorpe" by Jarrard Tickell involves a mystery and a girl.

A romantic mystery with a ghost is "Mistress of Mellyn," by Virginia Holt.

Discussing the field of advertising and its many career opportunities for young people, is the unique book "Find a Career" by Harry Cogswell.

The story of Project Mercury and the space program is the topic of "The Astronauts" by Martin Caidin.

"College For Coeds" by Leo C. Muller and Ouida Geon Muller, answers question on why girls should go to college, what type and size of school is best for you. Also discussed are campus parties and sororities.

"The library orders its books from lists sent out by the New York Public Library, the Library Journal, and by the American Library Association. Also, if students or teachers suggest books, they are looked into," relates Mrs.

Marian McCrady, school librarian.

Asked about which library the students should use, the school or public, Mrs. McCrady replied, "The school and the public libraries work together (even from the same budget). The best service will be obtained by the student if he uses the facilities of his school library until its resources are exhausted and then use the public library for further work. I would like to add that if students come across materials in the public library that they think our library should have, tell me, and I will try to fill the request."

2 Teachers Join Panel Discussion On World Peace

Aiding the discussion in the "Institute On World Peace" were two of Central's teachers.

Miss Rosalynn Chapel, social science teacher, was asked to be recorder for the discussion group, "Supporting Efforts to Encourage Universal Disarmament and a Climate of Negotiation." Contributing to the panel discussion on "The Role of the Citizen in the School and in Church" was Miss Mildred Hodges, history teacher.

On February 11 the Rev. Robert Eddy from the American Friends' Service Committee talked on "A Moral Basis for Foreign Policy." Discussions related to the topic followed the talk. The afternoon session ended with a film from the United Nations called "On Rebuilding Italy" and a discussion on "Who is the Enemy?"

Prof. Proves Point; PSSC Pupil Faints

Only pin boys and a few select PSSC physics students know the feeling that grips a person when a bowling ball comes at them.

There is a big difference though, the pin boys get paid for it whereas the hapless PSSC student is skillfully trapped by his teacher to be the guinea pig in an experiment.

First the unscrupulous teacher gets an unknowing student to admit that he believes that a pendulum will not go as high in the backswing as the level at which it was released.

Then, with this blind faith voiced by the student, the instructor challenges the student to back up his belief with action. He asks the student if he would be willing to allow the teacher to hold a small lead ball before the student's nose and allow it to swing to and fro on a string fastened from the ceiling.

The student naturally consents, not being willing to show his fear and disbelief by backing away from a small lead ball.

Then as the student confidently strides forward to take his place against the wall, the instructor exacts his master plan. He deftly switches the lead ball for a bowling ball and quickly fastens it to a wire on a string.

Suddenly the student eyes the black ball, turns on his heel and heads for his seat, but he has already committed himself. It's too late for him to turn back.

His friendly classmates urge him to do it, so he turns martyr and watches as the ball travels across the room.

The victim stares as the ball that could make mince meat of what brains he has comes zipping across the room. Icy terror grips him as it comes so close he can't focus on it.

Then, it goes away as does the student in a dead faint. "We have just proved a theory set forth by Galileo," says the instructor.

—Chuck Beldin

Broadcasters On Air Live From Studio

"On the air" will become a familiar saying to the 14 members of the advanced broadcasting class meeting second hour at Central. They are being given the opportunity, by WFBE, the Board of Education's FM station, to go on the air live during the present semester.

The class was broken up into three groups, each group working on a panel discussion, with the best discussion group being used for the first program on Thursday, February 16.

Class instructor David E. Platts, a producer and director at the station, says the class will go on the air every other Thursday at 9:45 in the morning with a different type of program each time.

Future programs will consist of dramatic plays, news, sports, and feature material.

The semester project of the class will be Operation Take-over Day, the third week in May. The class will take over complete operation of the radio station for a whole day.

Operating the station includes writing, producing, directing, engineering, acting, announcing and providing sound and music effects for productions. Sign on will be at 8:30 a.m. and sign off at 4:00 p.m., seven and one half hours of programming, a valuable experience for the class.



"Our cleaning is known by the customers we keep..."

... and not only do we keep the same loyal customers year after year—they constantly recommend their friends to us. May we serve you too with distinctive dry cleaning and welcome you into our growing circle of friends?

Iron CLEANERS

CE 4-5601 and SHIRT LAUNDRY

● 2812 Clio Rd.
● 2001 Davison Rd.
● 810 S. Dort
● 524 Lewis

WARNER Printing Company

A Complete Printing Service

Photo Offset and Letterpress

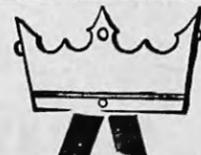
"Flint's First Offset Printer"

2621-23 N. Saginaw St.
Phone CE 3-5422



For Fine Performance and More Miles per gallon Stop at your nearest Mobil Station.

There are 50 locations here in metropolitan Flint, where you will see the friendly sign of the Flying Red Horse.



The ROYAL

15c

HAMBURGER

They're Delicious

NOW for only 45c

A Complete Lunch

Royals 15c
French Fries 15c
Giant Shakes 15c

Cheeseburgs ... 20c
Hot Dogs 20c
Coffee 10c
Milk 10c
Soft Drinks 10c
Pop Corn 10c-25c

3335 S. DORT HIGHWAY
Just North of Atherton Road

For Your Bowling Pleasure!

CENTURY LANES 705 E. Second Ave.

Meets Bring Improvement For Matrats

Tribe wrestlers smashed their way to a 45-5 victory over Lakeville High School February 8. Coach Dean Ludwig used five first-year men and six sophomores to cop this victory.

Leroy Burke, 138 pounds, Earl Mills, 145 pounds, Hugh Parker, 154 pounds, Tom Buckalew, 180 pounds, and Dennis Jager, heavyweight, won their matches. The rest of the ten victories were taken by Bob Clifford, at 112 pounds, Clev Rison, 120 pounds, Ira Edwards, 133 pounds, Doug Carvin, at 95, and Lin Chambers, at 127.

Heavyweight Dennis Jager and 103 pound Bob Buford each won his match with a pin in the wrestling meet against Pontiac February 14. The score, 28-17, in Central's favor was piled up by eight Tribe firsts. The other first places were taken by 120 pound Carl Steppes, 133 pound Earl Ruffin, 138 pound Leroy Burke, 145 pound Earl Mills, 154 pound Hugh Parker, and 180 pound Tom Buckalew.

The following Saturday, February 18, Central hosted Northern and Southwestern for the City Championship Meet held in the girls' gym. In the final tabulation of scores, Central placed second with 28 points. Northern took first with 49 points and Southwestern placed third with 21 points.

The Tribe team placed seven wrestlers in the finals. Four of the seven took first places and thus became city champions in their weight class. Wayne Campbell, at 112 pounds, Leroy Burke, at 138 pounds, Tom Buckalew, at 180 pounds, and heavyweight Dennis Jager were the four first place winners. The team also placed three men in second place. These wrestlers, Bob Buford, Carl Steppes, and Earl Ruffin, each won and lost a match.



REPRESENTING CENTRAL at our basketball games is the nucleus of our school support, the JV Cheerleaders. They are: (from left, standing), Jean Briner, Judy Blakemore and Libby Hubbard, (kneeling), Kay Kliss, Kathleen Kremesec and Ethel Donelson. (Photo by Dave Rieder).

Tankers Cop Second in City

As Northern littered the pool with smashed records, Central tankers sopped up six seconds and one first by John Kaufherr in the 220 individual medley.

Northern pulled 90 points in comparison to Central's 46 and Southwestern's 28. John Kaufherr beat his own city record of 2:27.9 by .7 of a second in the city meet in which 17 pool, city and Northern varsity records were broken.

Jim Riutta aided Northern's effort by breaking his own pool and varsity records in the 50 yard freestyle and his city and varsity records and pool record which was set by Claude Rogers of Midland in the 100 freestyle.

Other Central swimmers who placed were: John Siler in the 400 and 200 freestyles, Jim Mirgon in the 50 yard freestyle, Roger Kapp and Ron Nelson in the 100 yard butterfly, Ed Bottrell in the 100 breaststroke and in the 200 individual medley, John Kaufherr and Chuck Hodson in the 100 freestyle, Gary Latimore and Bill Coppel in the 100 backstroke, Dave Schafer and Tim Phillips in diving, and Latimore, Dave Richardson,

Kapp and Hodson in the 200 relay.

In a fairly close swimming meet with Bay City Handy, 63-42, John Kaufherr, Roger Kapp and John Siler led Central's losing effort with firsts.

John Kaufherr captured firsts in both the 50 and the 100 yard freestyles; Kapp placed first in the 100 yard butterfly, and Siler grabbed a first in the 400 freestyle.

Central swimmers who placed are:

- 400 freestyle—(1) Siler, T-5:01.3.
- 50 freestyle—(1) Kaufherr, (3) Chuck Hodson T-25.2.
- 100 butterfly—(1) Kapp T-1:05.3.
- 100 backstroke—(2) Gary Latimore, (3) Bill Coppel.
- 100 breaststroke—(3) Dave Richardson T-1:13.4.
- 100 freestyle—(1) Kaufherr T-56.9.
- Diving—(2) Dave Schafer, (3) Tim Phillips.
- 200 individual medley—(3) Ed Bottrell.
- 200 freestyle—(2) Siler.

Saginaw High squeezed by the Indian swimming team 56-49, Friday, February 17, as Gary Latimore, Dave Richardson and John Kaufherr won the 100 backstroke, 100 breaststroke, and 200 individual medley, respectively.

Kaufherr with a 2:24.3 broke both his own varsity record of

Girl Hoopsters Show Prowess

Come half past three down in the girls' gym the sounds of basketballs echo through the room. As a part of the girls' intramural program, basketball is offered. Every Wednesday and Thursday afternoons, interested girls on teams participate in a tournament.

A girls' basketball game can be more complicated than one can imagine. It differs from boys' basketball in several ways. Imagine being restricted to only two dribbles at a time and being able to play on only half a court!

Because of this rule, many of the girls have developed a center line pass system. This involves precise timing for passing the ball from a forward on one half of the court to a guard on the other half and then back again.

Another problem which must be endured is that of rules; they always seem to interfere. Charging, over-guarding, and obstruction are only a few. The penalty for these is a free shot and a possible extra point.

However, in spite of these problems, there are eight teams of six girls in the tournament. Any girl who is interested may sign up in the girls' gym office.

MSU Pupils Visit Central

Hard work and ambition may bring success in any field. These are both necessary to becoming a gym teacher. Visiting Central's fifth hour gym class on February 7 were 30 Michigan State University juniors and seniors. These girls are studying to become physical education teachers.

Many classes must be taken in preparation for this field, some of which include anatomy, zoology and logic and theory.

The girls visited Central and Bryant Junior High school of Flint to observe and compare methods and organization of the girls' gym classes.

Mrs. Kathleen Schindler and Miss Patricia Odgers explained the locker room rules and class procedures. The students were shown Central's equipment and facilities. The pool rules and the purpose of the swim classes were also explained.

Our synchronized swim class was discussed in detail. Mrs. Schindler described the main organization of the class—try outs, the show theme, practice sessions and work outs.

At the end of the tour a question session followed, and the girls asked numerous questions of our gym instructors.

ART'S AUTO SALES

CARS

PARTS

4010 N. DORT

CE 4-4031

or

CE 3-3615

A NEW ADVENTURE IN TYPING...



NEW SMITH-CORONA Galaxie

NEW IN STYLE
NEW IN SPEED
NEW IN SPIRIT

EASY TERMS

Typewriter Exchange

111 First Ave. Phone CE 5-2539

MORE



FRED GARRETT



BOB GREEN



REED FARRELL



SAM WILLIAMS

Hear All the Hits from the "SILVER DOLLAR SURVEY"

Wonderful Radio
Mighty 1420

MUSIC

All the Top Hits in Wammland. Yours All Day on Wonderful WAMM.

FUN

Call in Your Requests CE 9-1420 Hear them on the Happy Home of Fun Radio

PRIZES

Win Cash and Prizes on the WAMM Silver Dollar Bonus Club and Other WAMM Contests

YOU'RE NEVER MORE THAN 2½ MINUTES FROM SWINGIN' MUSIC

WAMM

Managers Aid Athletes

Gasping from near exhaustion as he climbs out of the pool after swimming a rugged 100 yard butterfly race, the swimmer looks up wearily and says, "What was my time?"

Between time outs, a basketball player, sweating profusely, gratefully accepts a damp towel to cool his forehead while he restores his oxygen debt.

After a rough and tumble match, a wrestler seeks first aid to his many skin burns, abrasions and small hurts that come from a well-fought victory.

All three of these sports differ, but the athletes concerned in them all have something in common, they all desire to have their small needs and wants carried out so they can do their best in competition.

The men who do these various jobs at Central during the winter sports season are the managers.

They are the most overlooked individuals on the scene, while the actual competition takes place. Not because their job is not important, but rather because they do it with such smoothness and efficiency you could hardly notice it. Their work would apply best to the old saying, "The hand is quicker than the eye."

Managers put a lot of time and work into their responsibility, but also, in accordance, receive benefits for their effort, although many fans do not realize this.

Managers receive varsity letters for their time and patience, just as do the athletes. They get the privilege of being right on hand as the athletes work and participate in games. By doing this, they learn what the boys are really like and also gain a better knowledge of the sport and coaching techniques. They attend all contests, and are closer to the action than anyone else witnessing the event.

Varsity basketball manager, Roger Conrad, junior, explained the main job of a basketball manager is to care for the equipment used in the sport.

For the time element involved, he explained, he spends about two and a half hours when practices are scheduled. On the days when there are

games, he spends about five hours for home games and about nine hours for away games in doing his various responsibilities.

These would include issuing uniforms to the players, cleaning all balls used in practice, being responsible for all uniforms, and checking on all other necessary equipment.

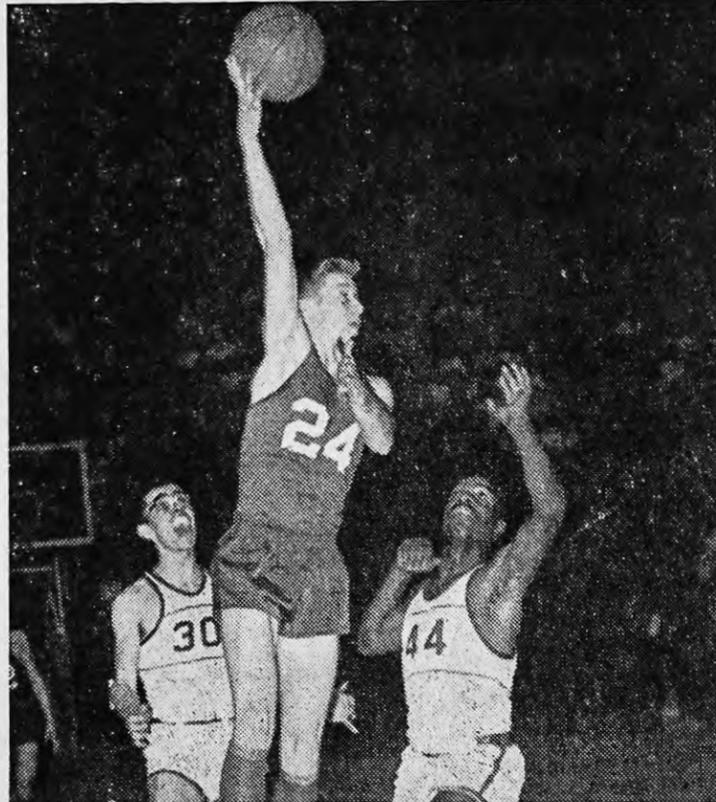
Roosevelt Dalkins, junior, manages the junior varsity basketball team and does the same duties as Roger. Roosevelt is perhaps the most willing of all managers at Central, as he will not receive a varsity letter for his efforts as he manages the JV team.

Tom McClimans, senior, and Bill Nickerson, junior, manage

the wrestling squad. They both double as trainers also, as they administer first aid to the boys for minor injuries. This first aid duty gives them a basis for administering first aid in a home emergency situation.

Due to the cooperation of the swimmers toward their coach, the swimming team doesn't need a manager this season.

Maybe the next time you are attending your favorite contest, you might take a closer look at what happens behind the scenes in the world of sports and be a little more appreciative of the job Central's managers are doing.



JERRY ROBERSON, GUARD, goes up for a hook as two Northern players Stan Brunske (30) and Ron Jackson (44) attempt to block the shot. Roberson accounted for 11 points in the clash between Northern and Central. (Photo by Dave Bieder).

Tribe Beats Rivals For 9th City Title

When Central and Northern clashed on February 7, Central nipped Northern 55-53. The Tribe won its ninth city championship with a 3-0 record before 1,641 fans at the IMA.

Ron Jackson of Northern scored 28 points for the second highest score in the city series basketball history.

Although never separated by more than eight points, the Tribe was not threatened until the closing minutes of the game, but then only in vain.

Indian Cloyce Dickerson scored 19 points for the Tribe, and Jerry Roberson was second high with 11 points.

Foul shots were a great benefit to Central, hitting 13-28 while Northern only had a chance to net 11-18.

★ ★ ★

Before a crowd of 1,879 fans Central exploded in a 60-45 victory over Southwestern on February 10. The Tribe completed their city series with a 4-0 slate.

Coach Joe Dowdy posted his 100th victory as head of the Indian basketball team.

Cloyce Dickerson and Rick Moore gave outstanding offensive performances with 25 and 14 points respectively. In the two games against the Colts, Dickerson set a record of 47 points.

★ ★ ★

Flint Central lost its golden opportunity to overthrow Saginaw High, the state's no. 1 basketball team, as they let the Trojans take the lead from them too often.

The Tribe rallied four times to regain the lead but couldn't hold it. The Trojans' Jerry

Tillman pumped in one shot with 20 seconds to play and another 10 seconds later to end the scoring for the night, in favor of Saginaw 69-64.

Earlier in the year, Central fought Saginaw almost to a standstill and then lost in the closing minutes, 70-66.

Jerry Roberson led Central's scoring with 23 points, while Dick Horning had 19 and Rick Moore 13 points. Moore scored 10 points in the fourth quarter as he tried to spark a victory.

During one cold spell, Central missed 15 consecutive shots before Jim Toles dropped in a rebound. Possibly their own foul shooting beat them, as they hit for only 10-22.

Even though losing, it can be said that of all the games Saginaw has played, Flint Central has given the Trojans the best run for their money.

Wazoos, Braves Tie for Lead Among Intramura Net Teams

Ed Snyder of the Rebels (4-4) took over the scoring lead previously held by Steve Szabo of the Wazoos (6-2). Snyder pulled two points ahead of Szabo who is at 63 points, while Dick Monroe of Freddie's Five (4-2) meshed 16 points to attain third place total of 62.

Scoring leader Snyder, however, has the lowest average of the three with 9.3 points per game. Monroe, though playing only five games has hit an average of 12.4 points per game. Szabo has a 10.5 average for six games.

In action Thursday night, February 9, winning teams were: Dumb-Dumbs, Road Rovers, Terrible Beats, Harris Incorporated, "6" Hercules, Wazoos and the Rebel Rousers.

Team Ratings

1. Wazoos—6-2
2. Braves—6-2
3. Dumb-Dumbs—5-2
4. Freddie's Five—4-2
5. Orange Town—4-2
6. Harris Incorporated—5-3
7. Swishin' Studs—4-3
8. Rebels—4-4
9. "6" Hercules—4-4
10. Road Rovers—4-4
11. Terrible Beats—3-4
12. Nappers—3-5
13. Flint Gamers—2-3
14. Rebel Rousers—1-7
15. Chlorine Five—0-2
16. Holy Field—0-7

Ferguson's Art Shop

COMPLETE LINE OF ART SUPPLIES

Buckham at W. Second St. Flint 3, Michigan CE 2-5322

REGENT RECORD SHOP

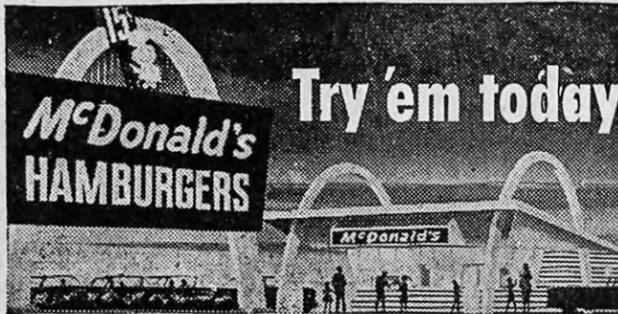
Next to the Regent Theatre

902 N. SAGINAW STREET

Flint's Complete Line of Records

CE 9-5662

Free Parking



McDonald's . . . the drive-in with the arches

PURE BEEF HAMBURGER...15c

- Tempting Cheesburger19c
- Triple-Thick Shokes20c
- Golden French Fries10c
- Thirst-Quenching Coke10c
- Delightful Root Beer10c
- Steaming Hot Coffee10c
- Full-Flavor Orange Drink10c
- Creamy Hot Chocolate12c

OPEN ALL YEAR

"Often Imitated . . . Never Duplicated"

3212 Clio Rd. G-3391 S. Saginaw

At Pasadena

3 Blocks South of Fisher Body

However You Go,
Go Beautifully...in
A LOVELY **FORMAL** FROM
Shirley Ann



You're on your way . . . toward being the prettiest girl on the dance floor . . . in your glorious Shirley Ann Gown. . . . gently priced to fit your budget . . .

Shirley Ann
DRESS SHOP

BRIDALS
BRIDESMAIDS

554 HARRISON ST.

MEMBER
DOWN-
TOWN
PARK
AND SHOP

SCHOOL SWEATERS
BOYS' GYM TRUNKS
SHOES
GIRLS' GYM SUITS
SHOES

Complete Line of
ATHLETIC EQUIPMENT

MULLIN CO.

544 Harrison CE 3-6467