

GM Will Dedicate New Technical Center

Bus Walkout Strands 25,000 in City, County

Greyhound Men Out in Contract Dispute; Commuters Stranded

Some 25,000 Oakland County commuters that normally use the Greyhound buses were stranded by a walkout of the Great Lakes Greyhound bus drivers.

An estimated 80,000 commuters were affected by the wildcat strike that has halted both suburban, intrastate and interstate Greyhound service.

Also seeking other means of transportation this morning were 3,000 school children that ride 30 buses out of the Birmingham terminal to reach eight schools daily.

Bus riders were left waiting on street corners between Pontiac and Detroit as the morning rush to Detroit swept by them.

At Bloomfield Hills High School, there were 200 absentees today.

There were no pickets reported at either terminal but picket lines were thrown up at the Detroit garage.

The walkout began at midnight after a meeting in the union hall of the Amalgamated Assn. of Street Electric Railroad and Motor Coach Operators (CIO-AFL) in Detroit. The session was called to ratify a new contract signed by union officials and management.

STRIKE UNSANCTIONED
An official of the Detroit local, William G. Marshall, warned bus drivers the strike was not sanctioned by the union.

Officials of Local 1097 of the Pontiac branch of the CIO-AFL union could not be reached this morning for comment.

Vernon L. Crawford, vice president of the Detroit local, said the issues were widespread and ranged from pay raises to fringe benefits. He said although the old contract expired May 1, drivers have been working under a day-to-day agreement and negotiations were continuing in Chicago.

A company spokesman said if the strike continues the walkout could affect divisions in Indiana, Illinois, Missouri, Kentucky, and Ohio.

Lester Stewart, vice president in charge of operations for Greyhound, said the company would try to maintain curtailed service outside the Detroit suburban area. He said any operations will be on a "very skeleton basis."

High Court Post Goes to Edwards
LANSING (AP)—Gov. Williams today appointed Judge George Edwards of the Wayne County Circuit Court to the state Supreme Court.

Judge Edwards said he plans to resign his present post and to take the high court seat as soon as present duties can be discharged—probably within a few days.

Interpreting the News

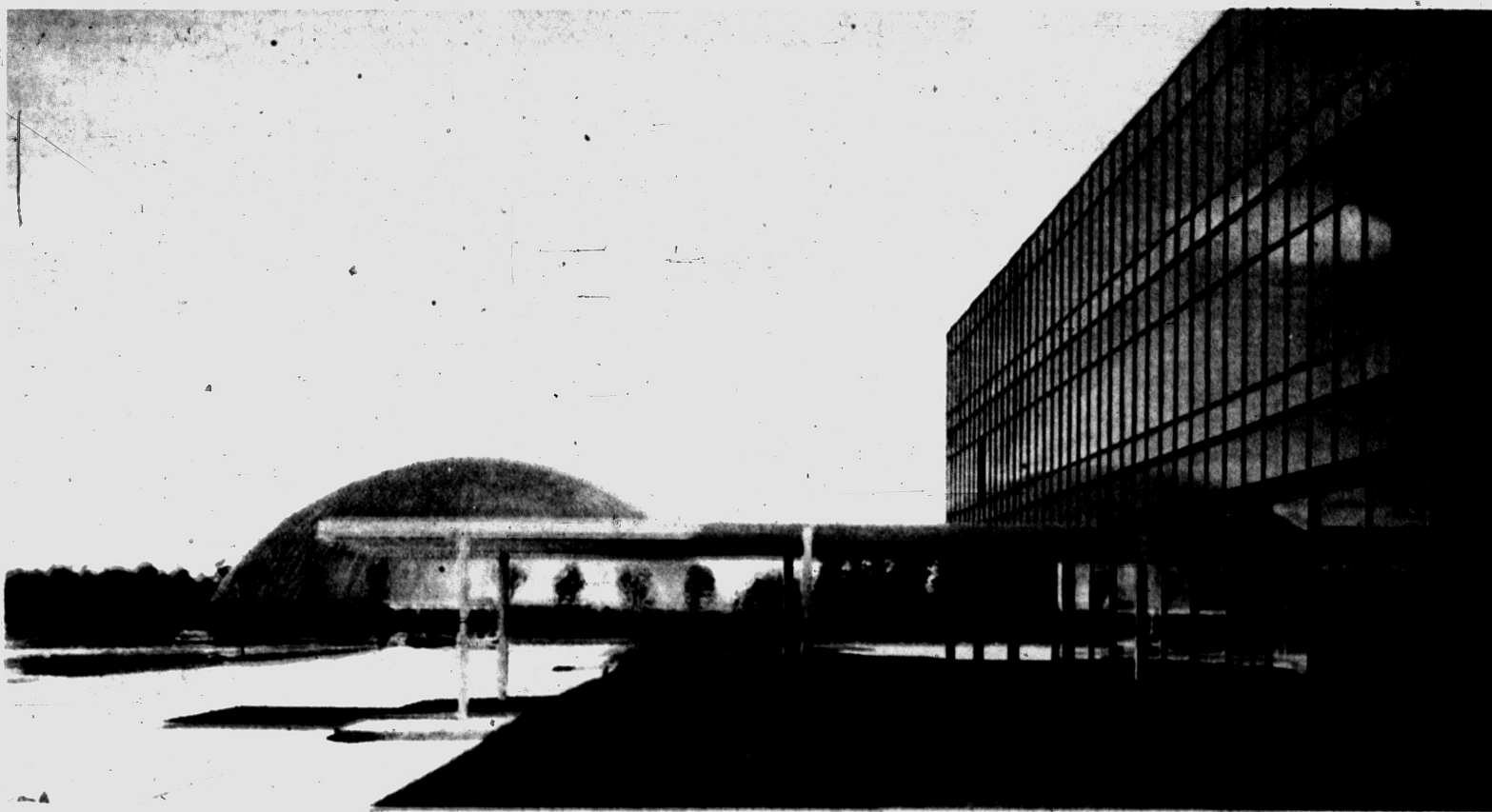
Russia Builds Up Satellite Military Strength

BY J. M. ROBERTS
Associated Press News Analyst
Something to remember in connection with reports of cuts in Russia's armed forces is that she continues to help build up the military strength of Red China.

One of the fundamentals of Communist policy always has been to encourage wars between other nations in order to create conditions favoring its own spread.

Russia already has used

Color and Modern Materials Blend in Beauty at New Center



STYLING GROUP—Shown above are two major units at the General Motors Technical Center. The dome is the Styling Auditorium,

designed for advance display of models. The dome is aluminum plated and is 188 feet wide and 65 feet high. The building at the right is

the Styling Administration building which houses the five car studios.

Another Long Is Seated as Louisiana Governor

NEW ORLEANS (INS)—A Long is back in the Louisiana governor's chair today and if he has his way the state will be securely in the Democratic Party fold this fall.

And when it comes to influence on the ordinary voter, you would have to go a long way to find a man in the state with more of it than Earl K. Long, brother of the late "Kingfish" Huey Long and uncle of U.S. Sen. Russell B. Long.

Long, who takes over from "Eisenhower Democrat" Robert Kennon at Baton Rouge today, is the unchallenged leader of the Louisiana delegation to the Democratic National Convention in Chicago this August.

The governor is an unflinching Democrat who presently favors a ticket of Adlai E. Stevenson for president and Sen. Estes Kefauver for vice president.

In any case, he says he will remain a Democrat, and positively predicts Louisiana will support the national Democratic ticket.

But while Long may be strong enough to prevent a possible third party from winning the state, he may not be able to keep President Eisenhower from winding up with a majority of the state's votes.

In 1952, Stevenson slipped by Eisenhower with a margin of 39,000 votes out of more than 630,000 cast. The GOP cause at that time was aided, of course, by the strong pro-Eisenhower stand of Gov. Kennon.

Bing's Boy in Army
LOS ANGELES (AP)—Bing Crosby's eldest son Gary, 23, was sworn into the Army yesterday at the armed forces induction center here and ordered to Ft. Ord for eight weeks of basic training.

Nevertheless, the fact is there, that while Russia may need her own men for economic and agricultural development, and while she may need the propaganda effect of manpower cuts to promote the smile offensive, there is no

North Korea and Red China to conduct a war. It turned out poorly for her, and may be partly responsible for her sudden reticence in the Middle East recently when it looked like her actions might help promote another.

There have been persistent reports since the visit of Khrushchev and Bulganin to London that Russia planned to reduce her armed forces to 1½ million men, a cut from 4½ million to about half of the

Storm Loss \$4 Million Frank Costello

DETROIT (AP)—Michigan totaled up around four million dollars in tornado and flood damage today.

But there were no indications of a return of the kind of

weather that sent twisters hopping through the Upper and Lower Peninsulas over the weekend.

Most of the tornadoes dragged along torrential rainstorms or hailstorms. In the latter some stones attained the size of baseballs and were estimated to have caused a million dollars' damage in western Michigan, principally in the Muskegon area.

Streams which shot up with the tornado rainfall were receding and threats of dangerous floods had passed, barring new rains.

Clear and cooler was the forecast for today, but the U. S. Weather Bureau said that a low pressure area moving up from the southwest might bring general rain to the southeastern counties by tonight.

Rainfall within the low pressure cycle was diminishing as it moved northward and unless there were a change in precipitation, no serious new flood threats were anticipated.

The weekend tornadoes were estimated to have done \$2,200,000 damage in the Flint area, plus \$750,000 in the Detroit suburbs of Allen Park and Lincoln Park.

Several homes, barns and businesses in Ortonville, South Lyon and New Hudson were damaged or destroyed, with no fatalities.

There was spotted damage elsewhere in the state, too, particularly in the area where Mecosta, Montcalm and Gratiot counties join.

In the region around Windsor, Ont., across the Detroit River from Detroit, twister damage was figured at roughly a million dollars.

At the request of Gov. G. Mennen Williams, President Eisenhower yesterday proclaimed seven Michigan coun-

ties as disaster areas. The counties are: Genesee (Flint), Kent (Grand Rapids), Ionia, Oakland, Ottawa, Wayne (Detroit) and Saginaw.

The designation will permit residents who suffered damage to homes or businesses to apply for three per cent disaster rehabilitation loans.

The government's Small Business Administration (SBA) said persons in the Oakland, Genesee and Saginaw area may apply at a temporary office set up in the Flint Chamber of Commerce office.

Chicago Teen Is a Matricide
Youth Stabs Mother When Refused Keys to Family Car

CHICAGO (AP)—A 15-year-old boy admitted last night, police said, he fatally stabbed his mother because he wanted her car "and I knew she wouldn't give it to me."

The youth, John L. McKiernan, was quoted by police as saying he stabbed his mother Mrs. Johnnie Louise McKiernan, 39, with a butcher knife with a six-inch blade when she returned home from work yesterday.

He told police he had waited for his mother for more than an hour and had planned to stab her.

When she walked into the kitchen of their West Side home and saw him with the knife in his hand, he said, she screamed, "No, Buck, no."

Lt. James McMahon said the boy took his mother's car keys and \$2.57 from her purse and drove off in the car, which he abandoned later.

Mrs. McKiernan's body was found about an hour later by her husband, 41, when he returned home from work as a bus driver.

The son was picked up by police shortly after near his home.

Martha Raye Gets 5th Divorce Notice
NEW YORK (AP)—Comedienne Martha Raye has been served with a notice that her fifth husband, dancer Ed Begley, plans to sue her for divorce.

Nick Condes, Miss Raye's manager and one of her ex-husbands, said a process server showed up at a Brooklyn hotel where the comedienne is staying. He said Miss Raye willingly went to the hotel lobby to accept the papers.

In Westport, Conn., a \$30,000 alienation of affections suit is pending against Miss Raye. The suit was filed by the wife of a Westport patrolman who once worked for Miss Raye as a bodyguard.

H-Bomb May Drop
USS MT. MCKINLEY (AP)—Unstable weather which has repeatedly postponed the H-bomb test appeared to be settling today with a possibility that the blast could come off Thursday morning, which is Wednesday afternoon, U. S. time.

Today's Press
County News 34
Editorials 6
GM Center 13 thru 33
Sports 37, 38, 39
Theaters 36
TV & Radio Programs 47
Wilson, Earl 36
Women's Pages 9, 10, 11

Lost—Child's pet, small black and tan short-haired female dog, 1½ inch tall, weight 4 lbs. 1 yr. old. Name "Pete." If you see any dog fitting this description call PE 3-0263 or PE 4-7053. Reward \$25.

Frank Costello Goes to Jail
Notorious Gambler Begins 5-Year Term; Faces Deportation

NEW YORK (AP)—Gambler Frank Costello was behind bars again today—this time under a five-year sentence for federal income tax evasion.

Taken to the Federal House of Detention in handcuffs, he will remain there until assigned to a prison by the U. S. Bureau of Prisons.

Costello, 63, surrendered at the U. S. marshal's office yesterday after losing in last-minute legal maneuvers to get his sentence suspended or reduced.

His surrender automatically canceled the \$50,000 bail under which he had been free during lengthy appeals as high as the Supreme Court.

A newsman asked him how he felt.

"I got an ulcer that's killing me," Costello whispered.

He did not mention cancer. In a recent move for suspension or reduction of his sentence, he filed in court a doctor's affidavit saying he had a recurring case of cancer and needed an operation. He also said he had an ulcer.

(See picture on page 2)

Costello was fined \$20,000 in addition to the prison sentence.

He also faces government proceedings seeking to take away his citizenship and deport him. The government charges Costello, who came here from Italy as a child, obtained citizenship fraudulently in 1925 by concealing his criminal record.

The denaturalization trial is scheduled to begin in Federal Court June 4.

Costello offered recently to deport himself voluntarily to some foreign country, which he did not name, in a move to escape the prison term. The government turned him down.

Technical Center Stories, Pictures Pages 13-33

ter Cronkite conducts a televised tour of the campus-like grounds in Firebird II, experimental GM gas turbine automobile.

PRESIDENT TO SPEAK
Following the tour, the telecast will carry remarks by President Eisenhower from the White House in Washington and addresses at the Technical Center by General Harlow H. Curtis of General Motors; Dr. Lawrence R. Halstead, GM vice president in charge of research; and C. F. Kettering, famed inventor and GM research consultant.

PLANTS INVITE PUBLIC
In the Detroit and Pontiac area, 15 General Motors plants and one General Motors Training center are holding open houses.

The Technical Center itself will be placed on public view in a nationwide telecast from 3:00 to 4:30 p.m., Sunday, May 20, over the NBC network (WWJ-TV).

The 5,000 guests at the Technical Center will tour shops, laboratories, test cells, styling studios and office areas of the Center, where GM scientists, engineers, stylists and technicians are helping to shape the world of tomorrow. Along the route will be a profusion of exhibits and working models of science and technology in action.

Among the most important exhibits will be the XP-800, GM Research Staff's recently announced experimental free piston car.

Visitors also will see GM styling studios, including a layout showing how the body of Firebird II was designed and developed; a new ordnance vehicle, the T101 gun carrier, exhibited for the first time since it was militarily declassified; the first successful mechanical heart ever used in heart surgery; a new artificial lung; and many other achievements of GM scientists, engineers and stylists.

5,000 Invited to Ceremonies on Wednesday

Eisenhower Will Talk Over Closed Circuit Television Network

BY ROBERT E. TARR
Managing Editor, Pontiac Press

General Motors' gigantic Technical Center at Mound and Twelve Mile Roads, southeast of Pontiac, will be dedicated tomorrow.

Five thousand leaders of science, education and industry will be on hand to celebrate the culmination of seven years of planning and construction of the largest and most modern research facility ever developed by industry anywhere.

The 320-acre center, started in 1949, is the workshop for 4,000 scientists, engineers, stylists and technicians and has been described as an "industrial miracle in architecture."

In addition, a closed circuit television network will carry the ceremonies to 20,000 guests at meetings in 61 cities in the United States and Canada. The network will extend almost 20,000 miles.

Guests at the meeting will inspect key areas of the GM center, greatest facility of its kind, as news commentator Wal-

Technical Center Stories, Pictures Pages 13-33

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TWO STRIKE City Police Join in Crackdown

Seek to Rid Highways of Dangerous Drivers by Campaign

The Pontiac police department has joined in a statewide campaign to clear roads of bad drivers.

Chief Herbert W. Straley said that speeders and reckless drivers will be cited for possible license re-examination and perhaps license suspension or revocation.

The crackdown was ordered by State Police Commissioner Joseph A. Childs, who has hopes the drive will save lives.

Straley said that special forms, distributed from the office of James M. Hare, Secretary of State, had been in use here one week.

The forms will be sent back to Hare's office with the names of speeders, reckless drivers and other motorists whom officers consider physically or mentally unfit to drive.

Straley pointed out that Pontiac police have been reporting the names of reckless and drunk drivers for at least three years. He said:

"We will be glad to participate in a campaign to save lives and property. It is time all drivers recognized that a license to drive is not a license to kill."

South's Oldest Soldier Marks 110th Birthday

FT. BLACKMORE, Va. (AP)—The tiny southwest Virginia town basked once more today in the reflected glory of an old, old man.

It was the 110th birthday of John B. Salling, one of four remaining Civil War survivors.

Given good weather, the genial, black-haired old soldier expected to don his Confederate uniform, clasp a cigar in his mouth and go to the front porch in his wheelchair to greet the friends and well-wishers who usually drop around on his birthday.

HILL WEAR HAT
And there was one thing you could bet on. He'd be wearing a hat.

Salling attributes his jet black hair to wearing a hat and never washing his hair.

The "General," as he's known to his friends, still has good eyesight, but his hearing is poor.

He can't get around by himself any more, but he retains a hearty laugh, still smokes two or three cigars a day and eats well.

DUG SALT PETER
The presents for Salling today included a Confederate shirt to go with his uniform and a 10-gallon hat. The uniform was given to him several years ago. The shirt is a gift of Virginia Gov. Thomas B. Stanley; the hat was sent by the Texas Rangers.

Salling's Civil War service was limited to digging salt peter, which was used in the manufacture of gunpowder.

However, nobody dares belittle his service. The old Rebel asserts that he was in a company commanded by Capt. Lon Collins, and that he dug salt peter for Gen. Robert E. Lee himself.

Great Lakes Ore Hauls Reach 'a Normal Pace'

CLEVELAND (AP)—Great Lakes ore vessels hauled 2,839,273 tons during the week ended yesterday in attaining a normal pace for the first time this season, the Lake Superior Iron Ore Assn. reported.

The week's haul, which was almost 400,000 tons above the figure for the corresponding period last year, brought total shipments for 1956 to 10,973,201 tons. The season total topped the 1955 total by 2 1/2 million tons.

New Zealand's seaport, Napier, is to have a new cathedral. It will replace one destroyed by the great earthquake of February, 1931, when several worshippers were killed.

The Weather

Full U.S. Weather Bureau Report
PONTIAC AND VICINITY — Partly cloudy with a chance of a few showers this afternoon and early tonight. Mild today, high 66 to 70, turning cooler late tonight, low around 48. Tomorrow partly cloudy and cooler, high 60 to 64. Winds becoming westerly and increasing to 10 to 15 miles an hour this afternoon shifting to northerly tonight.

Today in Pontiac:
Lowest temperature preceding 8 a.m. 62.
At 6 a.m. Wind velocity calm to 5 m.p.h. Direction West.

Sun. High Tuesday at 7:46 p.m. 68.
Sun. High Wednesday at 5:10 a.m. 61.
Moon High Tuesday at 10:24 a.m. 59.
Moon sets Wednesday at 12:36 a.m. 56.

Downfall Temperatures:
5 a.m. 52 12 a.m. 41
7 a.m. 54 12 m. 42
9 a.m. 56 1 p.m. 42
10 a.m. 56

Monday in Pontiac:
(As recorded downtown)
Highest temperature 57
Lowest temperature 41
Mean temperature 49
Weather—Fair.

One Year Ago in Pontiac:
Highest temperature 57
Lowest temperature 41
Mean temperature 49
Weather—Fair.

Highest and Lowest Temperatures This Date in 1895:

Monday's Temperature Chart:
Baltimore 65-82 Miami 67-79
Buffalo 71-84 Milwaukee 67-81
Butte 73-86 Minneapolis 62-81
Chicago 73-86 New Orleans 80-89
Denver 68-81 New York 75-85
Detroit 73-82 Omaha 81-87
Fort Worth 81-88 Phoenix 81-87
Houma 80-88 St. Louis 78-86
Jacksonville 80-88 St. Francisco 78-87
Kansas City 69-88 S. Francisco 78-87
Los Angeles 85-91 Washington 91-91
Memphis 86-94 Seattle 68-83

White House Aides With Campaign Photographs

WASHINGTON (AP)—President Eisenhower apparently is going to provide Republican Senate and House candidates with auto-graphed pictures and letters calculated to have campaign appeal.

White House aides already have talked to some candidates in critical states, offering services that have been snapped up. Among others, Sen. Bender (R-Ohio), who had no primary opposition, is displaying in a glossy campaign book a picture made with Eisenhower and a laudatory letter from the President.

MAY SUBSTITUTE

Such material in most cases may substitute for personal appearances by Eisenhower. He has said he plans only limited campaign activity.

The effectiveness of such photographs and letters may test the validity of a contention by Democratic Chairman Paul M. Butler that Eisenhower's vote appeal has "sagged" and what is left of it can't be transferred to other candidates.

"Sen. Bush (R-Conn.) said Butler is 'talking absolute nonsense.'"

"Butler is swinging wildly and missing all of the time," Bush said. "He certainly is giving a demonstration of a frustrated politician."

Builders Seek Ruling Change

Appeal to Gain Location for \$5 Million Center in City of Troy

Still another complication in the legal tangle surrounding the Louise Most estate in Troy cropped up yesterday.

A ruling by Oakland County Probate Judge Arthur E. Moore setting aside sale of the proposed \$5,000,000 shopping center and residential community site was appealed yesterday by Kaufman and Wolf Associates, Detroit builders and developers.

Judge Moore's ruling was made April 23 when John Most, administrator of the 70-acre estate at Livernois and Maple Roads, told the judge he had not understood what he was signing when he sold Kaufman and Wolf the estate for \$318,500 on April 2.

The judge's approval of the sale was necessary because the estate of Miss Most, who died in 1932, still is being settled. He approved the sale after all four heirs had signed their consent.

Oakland County Circuit Judge Frank L. Doty issued a temporary injunction April 23 restraining Moore from selling the estate pending hearing on another suit filed by Clem H. Block, attorney who handled the original sale to Kaufman and Wolf.

Block charged in his suit he had never been informed of the petition to set aside the sale, which was filed for Most by Royal Oak attorney Howard K. Kelley.

Block said the sale was agreed on after long consideration, and the price offered by Kaufman and Wolf was the best obtainable.

No Brutus, Caesar —Just Newsman

LANSING (AP)—A blood-stained raincoat indicated some Brutus might have stabbed some Caesar in the legislative halls of Michigan's Capitol.

Detectives were checking the clues for just such a possibility when a newspaperman walked up and announced "that's my coat."

The newsman was Roger Lane, Associated Press Lansing correspondent, who explained that he had seen a pedestrian struck by a car and tucked his coat under the victim's head until an ambulance arrived.

Lane said further he decided to discard the blood-stained coat in will make its first public appearance in the Midwest May 19-20, a new one, and in fact, was just during the combined Armed Forces on his way back to work after buying a new one.

In South Africa, 30,000 men and 15,000 women have flocked back to making its first public appearance the bowling greens for another season in the Detroit area. Marine and son of "the friendliest game on Army units will demonstrate latest tanks and other weapons."

Rhee Seen Winning Again

Koreans Flock to Polls

SEOUL, South Korea (AP)—A big turnout of some nine million South Koreans voted today for a president and vice president.

Syngman Rhee, opposed by an expected Communist and a dead man, appeared certain to win a third four-year term.

Only scattered minor violence was reported across the country, in contrast to hectic pre-election riots and fights which killed at least one demonstrator and sent Rhee's living opponent into hiding.

The polls closed at 5 p.m., and first returns were not expected until early tomorrow. The outcome should be definite within two days.

ONLY PRESIDENT

Rhee, 81, and the only president, end up in the President's chair.



FREE TRANSPORTATION—Chester Heavner, driver for Bee Lane, Inc. checks facilities for transporting visitors to the Pontiac Division plants on Wednesday. Free buses will operate between

the Huron street side of the County Court House and the plant parking lot during Pontiac Motor's Open House from 1 p.m. until 8 p.m.

City Police Association Plans to Seek August Vote on Residency Amendment

Representatives of the Pontiac Police Officer's Assn. are expected to ask the City Commission tonight to place the charter amendment vote on police-fire residence on the August primary ballot.

They will appear at the commission's weekly meeting on the second floor of the City Hall. The session will begin at 8.

The city attorney last week

told the association that only the commission could place the special election vote in August.

The commissioners reportedly favor the vote at the November balloting as another city charter amendment vote on the employee pension plan supplemented by Social Security is already slated for an August decision.

Other action scheduled on the 23-

point agenda will include an authorization to the city manager and director of finance to establish a \$500,000 reserve in the capital improvement fund to aid in construction of the Pontiac General Hospital wing.

Included in the list of 12 public improvement items will be the following public hearings on special assessment rolls for:

Sidewalk on the east side of Onondaga road from Menominee to Algonquin for lot 10 of the Crofoot Western Subdivision. Sidewalk on the north side of East Bend avenue from Jessie to Belmont. Sidewalk for the south side of Auburn avenue from the east line of Lot 3 East Side Park Subdivision to Howard and from Russell to east line of lot 131 of the subdivision.

Grading and graveling on Joslyn avenue extended from Perry street to Linda Vista avenue and on Linda Vista from Joslyn extended east approximately 307 feet.

Other public improvement topics on the slate are four engineer estimates, two resolutions to receive special assessment rolls, and two resolutions of public necessity.

City Attorney W. A. Ewart is expected to present two reports at tonight's session. One concerns an agreement with the Randall Building Co. and the other involves a land contract for the purchase of lot 2 in the Seminole Hills Subdivision.

More protests from citizens of Anderson's Western Addition is expected tonight as the commission will hear the first reading of an ordinance to rezone to Residential 3 five lots in the area. Residents have filed a protest petition objecting to the rezoning.

Other business will include the first reading of an ordinance to rezone to Commercial 1 part of lots 62-66 in the Hildebrand Manor Subdivision providing a 20 foot alley is needed.

Action is also expected on a petition requesting grading and graveling of the alley in assessor's plat 13 from Linda Vista drive to the east line of lot 40 in the plat.

A resolution is expected to be passed authorizing setting May 28 at 2 p.m. as the closing of bids for the sale of buildings on lots purchased by the city for use in the new municipal parking program.

Africa Calling!

NEW YORK (AP)—Hubert Porter, president of the Federation of Rhodesian Industries, says he is seeking 3,000 to 4,000 young American couples to settle in the Central African Federation. He is starting a tour of college campuses in his effort to recruit emigrants for the new country.

George Joins Ike

WASHINGTON (AP)—Retiring Sen. George (D-Ga.) has agreed to represent President Eisenhower in talks aimed at broadening the North Atlantic Treaty Organization in nonmilitary fields.

Red Army Cut Greeted Coolly

Washington Believes It Would Be Dangerous for U.S. to Copy

WASHINGTON (INS)—U. S. political and military leaders declared today it would be dangerous — if not foolhardy — for America to follow the Russians in drastically reducing its armed forces.

The White House said there would be more significance to the Soviet announcement that 1,200,000 men will be cut from the Russian armed forces by next May, if the Kremlin also agreed to an effective inspection system to police disarmament.

On Capitol Hill Sen. Walter F. George (D-Ga.), chairman of the Foreign Relations Committee and President Eisenhower's choice as ambassador to NATO, welcomed the Russian announcement. He said it should not be shrugged off as mere propaganda.

But George added he did not think it wise for the U. S. to reduce its armed forces or military aid to friends merely on the basis of the announcement.

The Pentagon pointed out that America has slashed its military forces since the end of the Korean War. Authorized strength has gone down from 3,507,000 in June 1953 to 2,850,000 at present.

Actually, U. S. military forces are now below authorized strength, with 2,819,994 men under arms, but they are scheduled to climb back to 2,864,000 by June 1957.

Pontiac Deaths

Mrs. James Mason

Mrs. James (Hannah) Mason, 66, of 179 Beach St. died early this morning in St. Joseph Mercy Hospital. She had been ill for a year.

She was the daughter of Patrick and Bridget O'Hara McKenna and born in Glasgow, Scotland June 3, 1889. The Masons were married May 19, 1915 in Winnipeg, Canada.

Mrs. Mason had been a resident of Pontiac 35 years, coming here from Winnipeg. She was a member of St. Michael's Catholic Church, the League of Catholic Women and the Altar Society of her church.

Besides her husband, she leaves four children, William J., John R. and Victor K. Mason, Mrs. Paul Gardner, and 13 grandchildren, all of Pontiac.

Other survivors include four sisters, Mrs. William Vaillancourt of Orangeville, Calif., Mrs. Daisy Dion, Mrs. Agnes Hartman and Mrs. Jay Ford, all of Pontiac.

The Rosary will be recited at 8 o'clock Wednesday evening in the Voorhees-Siple Funeral Home. The funeral will be at 10 a.m. Thursday from St. Michael's Catholic Church with burial in Mt. Hope Cemetery.

Harry Lee Parker

Harry Lee Parker, 62, of 4023 Lotus Dr. died yesterday in Veterans Hospital, Grand Rapids after a three weeks illness.

He was born in Pontiac Nov. 9, 1893, the son of William I. and Abigail Watson.

His entire life had been spent in the Pontiac area. An employee of Fisher Body Division, he had served in World War I in the Red Arrow Division and was a member of VFW of Keego Harbor.

Mr. Parker is survived by a sister, Mrs. Rosanna Persinger of Lotus Lake; three brothers, Ralph of Ypsilanti, Charles and Avery, both of Pontiac.

Service will be at 1:30 p.m. Thursday from the Hunton Funeral Home. The Rev. Loyal H. Howison of the First Free Methodist Church will officiate with burial in Perry Mt. Park Cemetery.

Frederick J. Pherrien

Frederick J. Pherrien, 59, of 82 Hamilton St. was dead on arrival at St. Joseph Mercy Hospital early this morning. A heart attack was the cause of his death.

Born in Canada Nov. 4, 1896, he was the son of John B. and Maria Louise Pherrien. On June 18, 1946, he was married here to the former Margaret Smith Bumstead.

Mr. Pherrien had lived here 30 years and was employed as a maintenance welder at Pontiac Motor Division. He was a member of the Joslyn avenue United Presbyterian Church.

Surviving besides his wife are two stepchildren, Ronald of Pontiac, Mrs. Ramona J. Cabbad of Idaho, Syria and four grandchildren. Also surviving are two sisters, Mrs. Dorena Hunt and Mrs. Viola Herbert, both of Sault St. Marie, Ont. Canada.

Friends may call at the Sparks-Griffin Funeral Home after 7 o'clock this evening. Arrangements will be announced later.

Supreme Court Agrees to OK Election Petitions

LANSING (AP)—The Michigan Supreme Court has agreed to require state election officials to approve in advance petitions for putting a constitutional question on the state election ballot.

The approval would apply only to the form of the petitions and be given where asked.

The Day in Birmingham Commission Tables Plan to Fluoridate City Water

BIRMINGHAM — City commissioners, after hearing local dentists support fluoridation of water supplies and a Detroit allergy specialist criticize it, tabled a proposal to add fluoride to the city's water.

A spokesman for fluoridation, Dr. Melvin A. Noonan of Birmingham, said introduction of minute quantities of fluoride into drinking water is absolutely safe. He estimated it would cut tooth decay as much as 70 per cent.

Two other local dentists threw their support behind fluoridation, explaining reasons in brief talks during the hour-long public hearing.

On the other hand, reading a 12-minute prepared talk, Dr. George L. Wolcott, Detroit allergy specialist, argued that his studies have shown "all kinds of medical disorders can occur when sodium fluoride is put in the water supply."

Another two hours were devoted by commissioners to hearings on paving and assessments.

The light oil for roads and its assessments were voted. Several streets were deleted from the 47 slated for the re-work and seal project before its approval.

Southfield street's paving from Lincoln to 14 Mile was tabled for two weeks, on request of several residents. Wakefield street's paving was unnecessary, commissioners voted after hearing resident's objections.

A "kitchen sink philosopher" from a Flint radio station and a 12-year-old ventriloquist will be starred at the Birmingham Business Women's Club meeting Thursday night at the Community House.

Michael Kelly, a Birmingham youth, and his dummy will perform, as will Mrs. Goldie Ackerman from Flint. Members are bringing guests for the program and dinner.

Marking National Book Week, the library has added 100 new children's books, according to Kathleen Burgess, children's librarian. The books will be on display until May 19, and reserved.

Pontiac hospitals were ready to help victims of the Flint tornado Saturday night.

Offers to provide shelter and treatment if Flint hospitals became too crowded were made by Pontiac General, Pontiac Osteopathic and St. Joseph Mercy hospitals.

However, Flint had enough facilities to take care of its injured, authorities said.

Temporary facilities were readied in the dining room at Pontiac General and in the uncompleted upper floors of the osteopathic hospital.

**IT'S GOOD TO
KNOW FOR SURE!**

Dear Sir:

We have completed
our analysis of
your insurance
coverage and we
are pleased to
tell you of our
results.

As years go by and we add to our worldly
possessions, most folks buy insurance from
time to time to protect those possessions.
Thus, the average person's insurance program
is built up piecemeal! Consequently,
many of us are NOT SURE about this coverage
at any given time.

Occasionally, we ask ourselves, "Am I protected
in this or that set of circumstances?"
"Should I have a lower deductible figure
on my automobile insurance?" Truly, there are
a multitude of such questions. And the
answers—CORRECT AND CONCISE—are as
near as your telephone.

As qualified independent insurance agents, we are
ready at all times to make such an analysis of your
insurance without obligation. If your insurance
coverage is adequate and fairly priced, we'll tell
you so. If it is incomplete, we'll make recommendations.
The choice, then, is yours BUT YOU
WILL KNOW FOR SURE!

Sponsored by

**PONTIAC ASSOCIATION OF
INSURANCE AGENTS**

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GM Plants in City Hold Open House on Wednesday

Special displays of products and extensive tours will highlight observances by Pontiac area General Motors plants of the GM Technical Center opening tomorrow.

Each of the divisions, Pontiac Motor, GMC Truck & Coach and Fisher Body, will open up their doors to what are expected to be record crowds of visitors.

The objective of the visitation at Pontiac Motor will be to show the close relationship between division operations and facilities at the Technical Center. The open house, to be conducted between 1 and 9 p.m., will include tours of manufacturing areas and engineering exhibits.

Visitors are expected to number 20,000. Special buses will run to all of the division's plants and refreshments will be served.

Nine commercial and military vehicles will be the main features of the program at GMC Truck & Coach.

Among the vehicles will be the amphibious "Drake," the U.S. Army's "Ontos," the "dream truck" L-Universelle, featuring GMC's air-suspension ride, a T-51 cargo carrier and other military vehicles.

Visiting hours at GMC will be between 9 a.m. and 8 p.m. Re-

freshments will be served and souvenir folders distributed, according to division spokesmen.

Fisher Body will open its plants to the public at 1 p.m., and will conduct tours until 9 p.m. Highlights of the program will be tours of the fabricating, body assembly and press lines.

The tour is described by a Fisher Body spokesman as an "unusual opportunity for visitors to see the inside of the plants." He explained that the division does not have conducted tours on a regular schedule except on special occasions such as tomorrow's.

Each division will station guides along the main route of travel throughout the plants to answer questions and guide visitors.

Both Pontiac and GMC have established special first aid facilities and nurseries for guests.

3 Flint Holdup Men to Begin Jail Terms

FLINT — Three men who admitted a dozen holdups that netted around \$10,000 were under sentences of 15 to 50 years imprisonment today.

They are Edgar E. Lane, 28, and Cornelius Winkfield, 33, both of Flint, and Joseph H. Poscy, 21, of Detroit. They were convicted of armed robbery.

The three were arrested in April. They were sentenced yesterday by Circuit Judge Stephen J. Roth. Poscy escaped from the Flint jail shortly after his capture, but gave himself up 30 hours later.

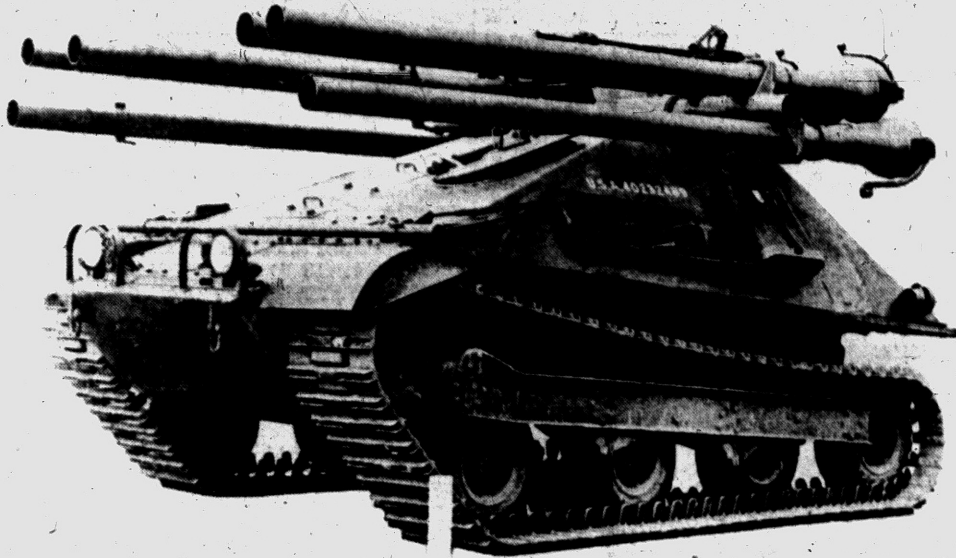
Admits Nighttime Breakin of Grocery in Pontiac

Charged with the nighttime breaking and entering of a Pontiac grocery last July 2, Norman Parrish of 1046 Cloverlawn Dr. pleaded guilty yesterday at his circuit court arraignment.

Oakland County Circuit Judge Frank L. Doty, who set May 28 for Parrish's sentence, continued his personal bond of \$100.

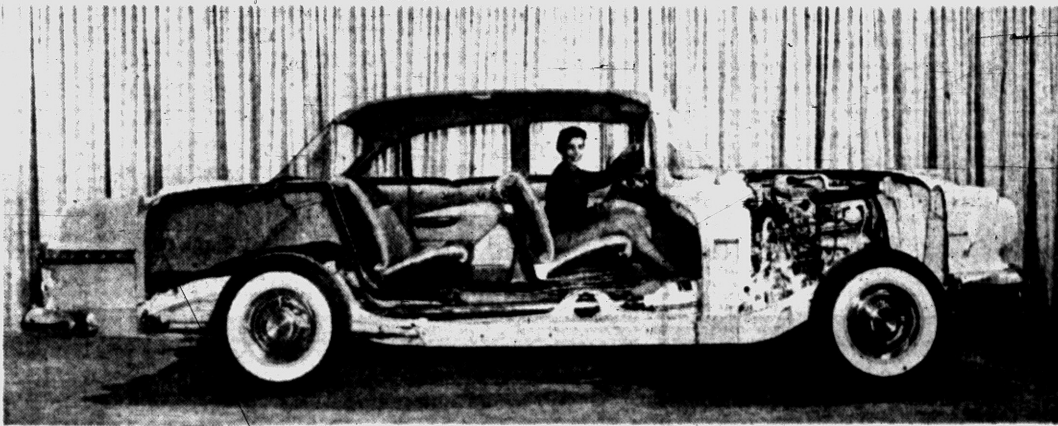
The first man made earth satellite is expected to circle the earth about once every 90 minutes.

The Escorial is the burial place of nearly all the kings and queens of Spain.



AWESOME 'THING' — Bristling with recoilless rifles, this U. S. Army "Ontos" will be among nine commercial and military vehicles which GMC Truck & Coach Division will exhibit at Wednesday's

open house marking the dedication of General Motors' new Technical Center. Powered by a GMC gasoline engine, the deadly weapon gets its name from a Greek word meaning "The Thing."



CUT-AWAY CHIEF — Sliced open to reveal inner construction, this Pontiac Star Chief sedan awaits inspection during tomorrow's open house at the Pontiac Motor Division. A special show stand

allows easy inspection of the moving parts in the engine, transmission and differential. At the wheel is Sally Bigelow of the division's circularizing dept.

Set Prayer Luncheon

A Gideon Auxiliary Prayer luncheon will be held at noon Wednesday at Ted's Restaurant.

After the luncheon the members of the group will go to the home of Mrs. Wil-

son Spence, 1034 Canterbury Dr. for their meeting.

About one-seventeenth of U. S. gross national product is produced on farms.

It is estimated that Central America will double its population in the next 30 years.

One pound of uranium can produce the heat equivalent of 2 1/2 million pounds of coal.

Assessed Valuations on Utilities Increase

LANSING — The State Board of Assessors announced today that valuations for tax purposes placed on public utility properties assessed by the board will be up 6.2 per cent this year over 1955.

The assessment total is \$508,982,900, or \$35,085,200 above last year.

The biggest share of the rise was accounted for by a \$25,700,000 increase in the assessment of the properties of Michigan Bell Telephone Co., which now are valued for tax purposes at \$305,800,000.

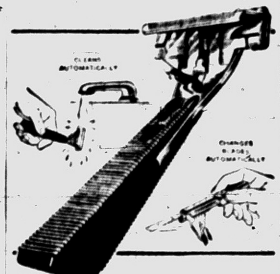
The board has fixed an average tax rate of \$22.13 per thousand dollars of assessed value as compared with \$20.69 in 1955. Applied to the higher valuations, the rate will produce a tax levy of \$19,243,349 for this year, an increase of \$2,300,977.

Runs Over His Dad

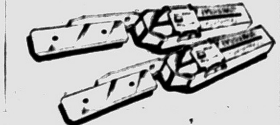
IRON RIVER — Ernest Rometti accidentally ran over his 81-year-old father, Pio, sending him to a hospital with painful bruises. The elder Rometti was seated on the rear bumper of his son's panel truck when Ernest came out to move the vehicle and failed to see his father.

Karakul lamb pelts are taken from the animals as soon after birth as possible.

FREE EVERSHARP-SCHICK HYDRO-MAGIC RAZOR



when you buy two 98¢ packs of "Gold" blades



48 Blades and Injector Razor a \$2.87 Value... now only \$1.96

The all-new Eversharp-Schick Hydro-magic Razor that changes blades automatically and cleans automatically with the flip of a lever! Plus Eversharp-Schick's new Hydro-magic "Gold" blades.



98 N. Saginaw — Main Floor

MAKE OVER DREAM

ONE-DAY SPECIALS



TOMORROW **WEDNESDAY** 9 a.m. to 6 p.m.

BARGAIN BASEMENT

Ideal for Porches—Basements—Sun Porches, Etc.

FIBRE RUGS

27x48 INCHES **49¢**

Big 6 Ft. x 9 Ft. \$1.89

Colorful designs, fibre straw rugs with fringe edges, double stitched. Buy now for the summer season.

2nd FLOOR SPECIALS

Full 3 Year **GUARANTEE** — Ribbed **PLASTIC**



Garden Hose

50 FEET **1.66**
\$2.95 Value

Full 50 feet of durable plastic garden hose at this extra low price. Standard couplings, full guarantee by a famous maker.

Kills Weeds with Just a Squirt New WEED GUN

Regular \$1.95 Value

Place the killer liquid in the gun tube, place the point on the weed, press—release just the right amount of killer on the weed.



Dandelion DIGGER

39¢ Value **33¢**

Overall 44-inch length. Dig dandelions without stooping. Gets long roots.

BARGAINS IN WOMEN'S WEAR



Our Regular \$1.79 Quality

Ladies' Blouses

SLEEVELESS STYLE

SIZES 32 to 38 **97¢**

Sizes 40 to 46 \$1.29

Sanforized cottons, fast colors in plain and prints. Styles for all occasions.

Fine COTTON — Wide LACE Trim Ladies' Half-Slips

\$1.59 Value **97¢**

Sanforized, elastic waist. White only in sizes S-M-L-X-XXL. Buy now and save.

MAIN FLOOR SPECIALS



Easy to Clean — **ENAMELED**

Diaper Pail

With Cover

\$2.49 Value **1.98**

Heavily enameled — won't absorb odors or stains. Large capacity. With handle, acid resistant.

Holds 7 Baby Bottles



Bottle Sterilizer

\$2.89 Value

2.69

Retains steam vapor for complete sterilization. Enameled with lift-out rack.

Oval Shaped—Enameled Baby Bath Tubs

18-Inch—\$1.69 Value

1.49

Rolled edges for extra safety and strength.

30-Inch \$2.89 Value **2.69**



Training Pot

49¢ Value

Broad, comfortable rim. Easy to clean enamel. Won't stain. **43¢**

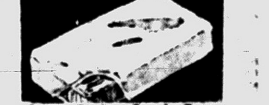
No More Diaper Rash with Chix Diaper Liners

6 DOZ.

77¢

97¢ Value

Medicated against germs that cause diaper rash.



Stays Tight—Comb Cotton Fitted Crib Sheet

\$1.19 Value

Sanforized, fits all standard crib mattresses. **77¢**



98 N. Saginaw St.

3 Bargain Floors

Gives you more to enjoy

Tareyton's Quality Tobacco
Tareyton's Real Filtration
Full King Size
Full Measure

All the pleasure comes thru

the taste is great!

FILTER TIP TAREYTON

EVERY EASY PUFF A TREAT



Shakedown Told in Bribery Trial

Witness Asserts Ritholz Was Victim, Not Briber, of Optometry Board

MASON (U)—A Circuit Court jury hearing bribery charges against Benjamin D. Ritholz has been told a former state official tried to shake down Ritholz for \$15,000.

Seeking to show the Chicagoan was an extortion victim rather than a bribe-giver, the defense Monday produced the shakedown testimony from Dr. Harold Brill, a physician friend of Ritholz.

Brill said he overheard Dr. Julian Feller, then a State Optometry Board member from Flint, say in Ritholz's Chicago apartment "If you don't pay me \$15,000 I'll put you out of business."

Ritholz, head of the King Optical Co., is accused of paying off three optometry board members last Aug. 8 in Lansing to drop an unprofessional conduct complaint against Dr. Edwin L. Sanchick, Lansing optometrist, who allegedly referred patients to the local branch of the Ritholz firm.

MADE PHONE CALL

In the trial's sixth day, Brill said he was visiting Ritholz when Feller came in, and that the two were introduced.

After pleasantries were exchanged, the witness said, he started to leave the apartment but stopped in a hallway to telephone a physician's answering service where he was headed.

It was then, Brill testified, that Feller in an "outburst" made the demand on Ritholz.

Earlier Monday, Ritholz was under cross examination by Irving Beattie, an assistant attorney general prosecuting the case.

Court Upholds Rule on Liquor Sale Sites

LANSING (U)—Regardless of the attitude of church or school officials involved, a liquor sales establishment in Michigan can not be located closer than 500 feet of a church or school.

The legislature's restriction in this area is "absolute," the Michigan Supreme Court ruled Monday.

The high court affirmed dismissal in Wayne County Circuit Court of an injunction suit to prevent the State Liquor Control Commission from revoking an SDM license issued in error to Big Bear Markets of Michigan, Inc.

After the license was issued, it was discovered the Big Bear place of business was only about 100 feet from the Bethlehem Finnish Lutheran Church in Detroit.

Marihuana Possession Admitted in Court

Harold Howze Jr., of 583 Franklin Rd., pleaded guilty yesterday at his arraignment in Oakland County Circuit Court on charges that he had in his possession a marihuana cigarette April 30.

Judge Frank L. Doty, who will sentence Howze May 28, returned him to Oakland County Jail under bond of \$2,500.

Johnson to Get Checkup

WASHINGTON (U)—Sen. Lyndon B. Johnson of Texas, Senate Democratic leader, said he hopes to visit the Mayo Clinic in Rochester, Minn., next week for a checkup on his recovery from a heart attack last July.

Judge Enters Plea for Jack W. Rivers

Charged with stealing an automobile in Pontiac April 7, Jack W. Rivers of 1004 Boston St. stood mute yesterday at his arraignment in Oakland County Circuit Court.

Judge Frank L. Doty, who entered a plea of innocent for Rivers, continued his bond of \$100.

Stands Mute on Charge of Selling Marihuana

Charged with selling a marihuana cigarette, Lawrence T. Hicks of 10743 Holcott Ln., Royal Oak Township, stood mute yesterday at his arraignment in Oakland County Circuit Court.

Judge Frank L. Doty, who entered a plea of innocent for Hicks, returned him to Oakland County Jail under bond of \$5,000.

Admits Theft of \$100 From Pontiac Market

Charged with stealing \$100 from a market in Pontiac, Donald Jewell of 4401 Baywood Dr. pleaded guilty yesterday at his arraignment in Oakland County Circuit Court.

Judge Frank L. Doty, who will sentence Jewell May 28, continued his bond of \$500.

(Advertisement)

Husbands! Wives! Got Pop, Vim, Feel Younger

Thousands of couples are weak, worn-out, exhausted just because body lacks iron. For new vigor, feeling after 40, try Oxy-Tonic Tablets. Contains iron for pep; supplement comes vitamins B₁ and B₂. In a single day, Oxy-Tonic supplies as much iron as 16 dozen raw oysters, 4 lbs. of liver or 16 lbs. of beef. 7-day "get-acquainted" size costs little. Or get Economy size and save \$1.45. At all druggists.

Brakeman Spent Compensation Money

High Court Reverses Injury Ruling

NEW HAVEN, Conn. (U)—"Oh my God," said Raymond G. Cahill, "You mean they are going to take it away."

The 24-year-old railroad brakeman was talking about \$90,000 he was awarded by a U.S. District Court jury for injuries received while working on the New Haven Railroad.

A reporter had just told Cahill that the U.S. Supreme Court, which upheld the award last fall, had reversed itself and sent the suit back to a U.S. circuit court.

SPENT THE MONEY

The railroad already had paid Cahill the money, and he has spent a good part of it.

"I'll be honest with you," he said. "I have three children, and I bought a piece of property and I'm building a nominally priced house on it, about \$12,000."

"I paid all my bills, about \$20,000, and I bought a station wagon. I haven't even bought a suit of clothes for myself."

As Cahill talked to the reporter on the telephone, a woman at his home started to sob in the background.

"That's my wife," Cahill said. "I'll have to hang up now. I've been disappointed so many times, one of us has kind of got to keep from going to pieces."

5-4 DECISION

The Supreme Court's decision yesterday was 5-4. Last fall it was 5-4 in upholding Cahill's award.

The justice who changed his

mind and swung the court the other way yesterday was Sherman Minton.

The minority four protested re-

opening the case and sending it back to the lower court. "There should be a finality somewhere," the minority opinion said.

Cahill was injured by a truck

that started up suddenly while he was flagging traffic behind a stalled train here. He claimed he was told to work in a dangerous place without being warned.

A District Court jury awarded him \$90,000.

Then a circuit court reversed the award and last Nov. 21 the Supreme Court upheld the award.

But in March the railroad asked the Supreme Court to send the case back to the circuit court for consideration of a single point—whether the trial judge properly admitted evidence of previous accidents at the spot where Cahill was injured.

Now the Supreme Court has sent the case back, saying, "We deem our original order erroneous and recall it in the interests of fairness."

Everything is dandy in Shanghai with the railway workers. They built themselves a "cultural center" so they could play table tennis and chess without getting rained on.

The broadcast, one of four English-language newscasts Peiping beams daily to outside listeners, is like one giant uninterrupted commercial for the Red way of life. A few samples:

Things are fine in far-off Tibet. Some 30,000 folks danced in the streets because they are so happy at being tucked under Peiping's wing.

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The five-year plan is really charging along. China topped last year's cotton production by 18 per cent this year.

Peiping's idea of the top world news goes like this:

Communists parade in India . . . A Japanese seamen's union signs petitions against United States nuclear tests in the Pacific . . . Bombay is tickled because a Russian freighter dropped in for the first time in a long time.

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Few people probably listen to Peiping radio unless they are paid for it or have more than average interest in Red China. The broadcasts are not designed to entertain. Should the party Politburo or Mao Tse-tung make a long-winded pronouncement you can bet the smooth woman announcer will read every word of it.

For 15 minutes the woman announcer, who speaks with an American accent, gives the official Chinese Communist version of what's going on in the world.

The broadcast, one of four English-language newscasts Peiping beams daily to outside listeners, is like one giant uninterrupted commercial for the Red way of life. A few samples:

Things are fine in far-off Tibet. Some 30,000 folks danced in the streets because they are so happy at being tucked under Peiping's wing.

Everything is dandy in Shanghai with the railway workers. They built themselves a "cultural center" so they could play table tennis and chess without getting rained on.

The five-year plan is really charging along. China topped last year's cotton production by 18 per cent this year.

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U.S. Moves to Collect Money Given Reds

NEW YORK (U)—The federal government has moved to recover \$7,416 in old-age benefits paid to seven persons linked with the Communist Party.

Research Staff Largest of Four Main Groups at Center

The early part of General Motors Research Staff history is a tale of two cities, both famous in the engineering world, Detroit and Dayton.

Oldest organization of its kind, Research Staff is the largest of four major general staff groups at General Motors Technical Center.

Informally and unofficially its origins go back to 1909 or thereabouts when Charles F. Kettering set up Dayton Engineering Laboratories Company (Delco) for developing a battery ignition system.

Several automotive companies adopted the system. Through licensing arrangements its manufacture was turned out to another company. Thereupon Kettering's "barn loft" gang of engineers and mechanics undertook a new job—development of the first successful electric self-starter for automobiles.

In 1911 the self-starter passed its tests and Cadillac accepted it for the 1912 model. Because of certain construction features, Kettering's company had to take over its manufacture and assembly.

CENTRAL LABORATORY

Meanwhile, at Detroit in 1911 General Motors formed a central testing laboratory and recruited engineers to serve as general staffers. These men were attached to no particular GM factory but were assigned to aid various plant and factory engineers with special problems in production, manufacturing and engineering.

The Detroit group and Delco at that time had no official connection, but in later years the two organizations they engendered were merged at Detroit.

Officially Kettering's research group was attached to General Motors in 1918 when United Motors became part of GM. United Motors was a miniature GM of the parts and accessories business.

It included Delco, Remy Electric, Klaxon, Harrison Radiator, Jaxon Steel Products, Hyatt Roller Bearing, New Departure and United Motors Service.

By 1920 Mr. Kettering's researches were established as General Motors Research Corporation at Moraine City, near Dayton. Five years later they were lodged in the General Motors Building Annex, now occupied by Chevrolet Motor Division's Central Office.

As research activities expanded, the annex was outgrown and in 1929 the laboratories moved across the street into a new building at Milwaukee and Second behind General Motors Building. By 1938 the organization was given divisional status—General Motors Research Laboratories Division—but it remained a general staff unit.

The division began moving to the Technical Center in 1953 and completed its migration to the new center by early 1955. Later that year its designation was changed to General Motors Research Staff. Kettering headed research until his 1947 retirement, when Charles L. McCuen succeeded him. McCuen had served previously as general manager of Oldsmobile Division and General Motors vice president in charge of engineering staff. He held the latter post mainly during the World War II years, heading GM's tremendous engineering efforts in developing ordnance vehicles.

McCuen guided Research Staff through one of its greatest expansions, from a 1947 roster of 576 employees to more than 1200 in 1955.

He retired in 1955 and was succeeded by Dr. Lawrence R. Hafstad, one of the country's leading physicists in the nuclear energy field. He previously had headed the Applied Physics Laboratory of Johns Hopkins and the Johns Hopkins Institute for Cooperative Research.

Later Dr. Hafstad was named the first director of the U. S. Atomic Energy Commission's Reactor Development Division and at the time of his General Motors appointment he was director of the Chase Manhattan Bank's Atomic Energy Division.



IT STARTED HERE — In the loft of this barn on Central Avenue, Dayton, Ohio, the history of General Motors Research Staff began as Dayton Engineering Laboratories Company

(Delco), July 22, 1909. Here Charles F. Kettering and his "barn loft gang" of engineers and mechanics developed the first automotive electric self-starter which appeared on the 1912 Cadillac.



AND GREW TO THIS — At the north end of the 22-acre artificial lake at Technical Center stands a group of eight buildings, new headquarters of GM Research Staff. Its personnel now numbers

approximately 1,400, and the variety of its projects is fabulous when compared with operations of the Delco "barn loft gang" in the early 1900s at Dayton.



CHARLES F. KETTERING

He pioneered in automotive research.



DR. LAWRENCE R. HAFSTAD

GM Vice President in charge of research staff.

Manufacturing Starts Where Design Ends

Generally speaking, manufacturing begins where product design ends. Manufacturing is a field demanding services of more and more engineers, as witnessed by

the growth of Process Development. Its personnel has increased approximately fourfold until today the staff numbers 380 engineers, designers and technicians, and its list of projects has expanded at an even greater rate.

Rodger J. Emmert, executive in charge of Manufacturing Staff's Facilities and Processes, points

out that "development of better manufacturing methods is largely an engineering problem."

"To search for and develop ways of accomplishing desirable and practical manufacturing methods," he says, "requires such facilities as are found in the best research laboratories."

ly new trend, the enlistment of trained engineering and research brains in more than platoon strength, so to speak, to specialize in various manufacturing and processing techniques.

PDS translates this trend into an impressive array of equipment, modern laboratories for chemistry and physics, metallurgy and

spectrography, electrical engineering and electronics. Process Development's experimental foundry, in fact, ranks as one of the most complete of any in the world.

An artificial lake on the General Motors Technical Center site is 1,780 feet long by 560 feet wide or 22 acres. Depth is 7 feet.

Condensed and reprinted by permission of Automotive News, from the issue of December 26th, 1955.

Super Auto Finishes Developed . . .

A Lasting 'Showroom Look'

By John T. Benedict
Engineering Editor

PAINT industry developments are moving at such a rapid rate that neither the present-day car owner nor the old-time paint chemist would recognize the vastly improved finishes which are likely to emerge from current research programs.

If transported into the not-too-distant future, the car owner would find that the peak popularity of extremely bright colors had subsided.

He would find the industry in a cyclical trend dominated by "grayed-down" or subdued tones. The "rain-hewn on wheels" still will be seen on the streets, but solid colors probably will enjoy greater favor than they do today.

Included in the expanded array of colors offered the new-car buyer, will be a number of entirely new shades which may be seen now only in the paint laboratories, or occasionally on special nonproduction "show" cars. Among the new tones to appear will be a wider range of metallic colors—extending the available iridescent effects to light shades now considered impractical.

AFTER reveling in his wider latitude of choice and virtually unlimited freedom to express an individual color preference, the future buyer has another pleasant surprise in store as he notes retention of the showroom appearance throughout the normal car life.

Out of today's test tubes will come tomorrow's more durable finishes, with greatly improved weathering resistance.

Colors will retain their initial intensity and hue over a longer life span. Luster retention will be phenomenal by today's standards.

By 1958, it is anticipated that paint suppliers will have facilities for manufacturing them in sufficient quantities to take care of the auto industry's entire output.

The ultimate goal is to provide a finish that will remain glossy and fresh-looking for the life of the car without any polish or wax application. This target now is in sight. Original appearance of the finish will be restored merely by a thorough washing.

Industry at Crossroads, Paint Experts Believe

DESPITE widely differing opinions concerning the relative merits of lacquers and enamels—and the possibility that such arguments may become

meaningless as the two terms themselves become outmoded—there's a universal impression that the paint makers now find themselves in an industry that truly is "at the crossroads."

The pace of advancement is quickening, and the more visionary leaders already can sense imminent victory over traditional foes such as sunlight, oxygen and moisture.

Signposts clearly point the way to mastery of these traditional enemies—but it is significant that the arrows which for nearly 25 years have guided researchers along a course of gradual improvements of familiar pigments, resins and solvents have radically altered their direction.

The new direction for the mainstream of research and development is toward entirely new inorganic materials . . . and the path is marked by arrows painted with substances that would be unrecognizable to paint chemists of the recent past, or those familiar only with the long-known "traditional" formulations.

All through the industry, there is a feeling that "great changes are in the making"—an impression that the great paint industry seemingly is on the threshold of a spectacular breakthrough that inevitably will be marked by sweeping changes in the fundamental nature of the product, as well as noteworthy advances in its qualities.

The general feeling akin to keen anticipation of an accelerated tempo for basic, far-reaching changes—shared by authoritative pace-setters in both the paint and automobile industries—is perfectly reflected in the views of Frederick G. Weed, president, Rinsched-Mason Co.

IN A statement that accurately keynotes this writer's interpretation of prevailing high-level thinking, Weed

says: "The past 20 years has seen an amazing progress in the paint industry in both paint application techniques and paint formulation. But within the next one or two years, we will undoubtedly see in paint technology, the greatest single stride of the whole period."



F. G. WEED

"The 'super-finish' embodying great durability and lasting beauty will be a reality. The super finishes already are appearing on experimental cars and, in some cases, on the regular production cars."

"The names lacquer and enamel soon will be lost," according to Weed, "because these super finishes resemble neither lacquer nor enamel, as we think of them today. At the present time, Rinsched-Mason actually is manufacturing production-size batches of super finishes that we have designated as Alpha finish and Beta finish."

The Rinsched-Mason executive said the Alpha finish is produced from chemical polymers that heretofore never have been considered for automotive paints. And, chemically, the new Beta finish is similar to the appliance-type finishes currently used for household washers and refrigerators. These new polymers reportedly are producing "fantastic durability results" in Florida exposure tests.

"Super hardness, excellent adhesion, outstanding gloss retention and ultra durability" are the words used by Weed to describe these new finishes. He said that polishing and waxing will be a thing of the past.

In addition, brighter, "more glamorous" colors than have been obtainable with conventional lacquers and enamels now are said to be possible with the new super finishes Alpha and Beta.

From the standpoint of the automobile manufacturer, the new paints are said to have outstanding advantages in application. Because of their great surface hardness, production damage may be reduced, with a lesser requirement for touch-up or repaint jobs. Their inherently high gloss allegedly will make attaining of the final lustrous appearance "an insignificant problem."

New Paint Products Readied for Introduction

THIS Rinsched-Mason statement and recitation of product claims is significant not only in itself—but because Weed's brief description of the new finishes more or less typifies general objectives sought by all paint makers in their current development programs.

(Article continues)

Congratulations!

TO GENERAL MOTOR CORPORATION

on the formal opening of their new

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Dedicated to a Higher Standard of Living for America

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MANUFACTURERS OF COLD DRAWN SEAMLESS STEEL TUBING



RINSCHED-MASON COMPANY

DETROIT 10, MICHIGAN ★ ANAHEIM, CALIFORNIA ★ WINDSOR, ONT., CANADA

As a manufacturer of Automotive and Industrial finishes since 1919, Rinsched-Mason Company is proud to have shared in the success of General Motors Corporation. Just as GM has been a pioneering leader in technical research, Rinsched-Mason Company has pioneered in automotive paint research, and is today leading the way in the development and perfection of super finishes for the super cars of tomorrow.

