

Staff's Paintings On Exhibition

Currently on display are paintings done by members of the MSU Art department. This staff exhibit is a bi-annual affair that should not be missed by anyone.

The diversity of the show makes it something out of the ordinary. On display are oil paintings, chalk and wash drawings, silk screens, water-colors, wood and metal sculpture, lacquer paintings, and ceramics.

One can browse in comparative quiet and enjoy the abstract impressions of some talented faculty members.

Several of the paintings contain the hues of a captured rainbow, while others are dark and subdued. Some pictures may surprise the observer with vivid color combinations of orange, magenta and lemon-yellow.

The majority of the paintings and drawings are done in abstract form. Reactions may cover a wide range from elation to quiet peace. Indifference is an impossibility.

Abstraction is an art form of today's culture. It offers the artist complete freedom to express his personality and experiences as no other form can. It is completely personal. Each painting has the stamp of the individual who paints it.

What may appear to be complete abandonment is more often the result of hours of careful study and planning, according to Martin Hurlig, director of the exhibit.

The work of 19 staff members is represented in the show. The exhibit was organized by James McConnell and Martin Hurlig, both instructors in the Art department.

A "patron's salute" exhibition of work purchased through the University Development Fund is on display in the permanent collection gallery.

Gallery hours are from 8 a.m. to 5 p.m. Monday through Friday and 2 to 5 p.m. Saturday and Sunday.



CYCLOTRON DESIGNERS—Dr. Henry G. Blosser, left and Dr. Morton M. Gordon, with a model of the magnet for the cyclotron.

New Cyclotron Here

Construction on the new \$1.5 million university cyclotron will begin in January.

The National Science Foundation (NSF) granted the university \$700,000 this fall to begin building the cyclotron. Other grants are expected from government agencies.

The machine is designed to give high energy and speed to particles, protons or other positive ions, for atomic research.

Testing of the completed facility is scheduled for October, 1963.

The cyclotron will incorporate a process devised by Dr. Henry G. Blosser, professor, and Dr. Morton M. Gordon, associate professor, department of physics and astronomy.

The process "extracts particles in a narrow beam, rather than a wide spray as do most conventional cyclotrons, Gordon explained.

Only five other sector-focused cyclotrons are under construction in the United States.

These are at: the Oak Ridge (Tenn.) National Laboratory; the Lawrence Radiation Laboratory, University of California, Berkeley; the University of California, Los Angeles (UCLA); the University of Michigan; and the University of Colorado, Boulder.

The UCLA facility now is under going tests, the professor said.

There are several sector-focused cyclotrons under construction in Europe and at least two in the Soviet Union, according to Gordon.

The total cost of this project is estimated at \$1.52 million, of which \$1.25 million is for the cyclotron and \$270,000 for equipment.

The magnet is scheduled for delivery in October, 1962. It will be made from 100 tons of steel and 20 tons of copper. To energize the magnet, 360 kilowatts of power will be required.

The new type cyclotron will combine the best features of the two older models, the fixed-frequency and frequency-modulated cyclotrons:

high energy particles like those from the frequency-modulated cyclotron—large currents like those of the fixed-frequency cyclotron.

In a cyclotron, particles are accelerated by alternating the voltage between two hollow metal chambers that look like the slightly separated halves of a round pill-box. They are called "dees" because of their shape.

In this cyclotron, the dees will have a radio frequency of between 14 and 20 megacycles, one megacycle equalling a million cycles a second. The voltage between the dees will be 140,000 volts, and the power consumed will be 450 kilowatts.

The dees are enclosed in a vacuum chamber. The chamber is then placed between the poles of a powerful magnet.

In conventional cyclotrons the magnetic pole faces are flat and circular, but in the sector-focused cyclotron the pole faces are shaped like pieces of pie, Gordon said.

These sectors hold particles together in a lens-like action, and allow them to make many more revolutions before being ejected than was possible with the older fixed-frequency cyclotron. These extra revolutions give the particles more energy.

When Blosser and Gordon devised the new process of beam extraction, they placed coils of wire carrying a steady current in the open spaces between the sectors, near the edge of the magnet. When the particles whirled out far enough from the center, they hit the extra magnetic fields around these coils.

The particles receive a shock from this encounter. They then begin to deviate from their circular paths, first inwardly and then outwardly.

These oscillations are in step with the periodic focusing forces produced by the sectors. The swing of the particles become larger and larger.

One swing finally becomes so large that the particle comes out from between the pole faces, according to the professors. This happens to the succeeding particles so that the entire stream comes out into the open as a narrow beam.

A model of the magnet has been tested for two years, Gordon said.

A probe is inserted between the pole faces and measures the magnetic field at various points. Data from the measurements are processed on the MISTIC digital computer. The path the particle would follow if the magnet were full-sized is determined by the computer.

Gordon estimated that 75 to 100 hours a month are spent using the computer.

"My sister-in-law's house is full of collector's items," reported the young lady with the pony tail. "That is it's full of items that somebody comes around to collect on regularly."

Grand Rapids Press.

Astronomers Have New Mystery About Universe

LOS ANGELES (AP)—Astronomers offered theories on (1) an old mystery—how the universe was born—and (2) a new mystery—about the radio signals that come from invisible stars trillions of miles away.

Dr. William A. Baum told the National Academy of Sciences of new findings indicating the universe was born in a giant explosion and that the pieces were finally beginning to slow down.

Dr. Jesse L. Greenstein in a separate talk told the Academy that signals sent out by distant radio stars are so powerful they can not be explained by any known energy source—not even the collision of galaxies.

Both are astronomers at Mt. Wilson and Palomar observatories.

Baum said the slowing down of the pieces of the expanding universe "is the effect of the combined gravitational forces of all the matter in the universe. Eventually it is possible that gravity will win out—stop the expansion of the universe."

Baum said his new evidence tends to rule out the "steady state" theory, which holds that the universe always has existed in about the same state in which it now exists.

"Results to date favor an exploding universe that will collapse again after a long time," he said.

Greenstein said scientists until recently believed that mysterious radio signals from outer

space were generated by the collision of galaxies of stars.

"Recent calculations show, however, that the total energy released by all the nuclear processes in the total lifetime of 10 billion stars like our sun would be needed to put out the energy released by radio sources outside our galaxy," he said.

And instead of 10 billion suns, the average radio-source galaxy has only two or three billion suns.

Greenstein said there was no known explanation for the amount of energy needed to send the radio signals that have been detected from stars as far away as four billion trillion miles.

Explain Moon Crater

The major features of the visible surface of the moon—the great "mares," or plains, and the mountains—were formed about 4½ billion years ago during a period of great meteor collisions.

The bombardment lasted a relatively short period—probably less than a million years. Since then the moon, like the earth, has been hit by a great many smaller meteorites, but for the most part they have produced only small craters.

This is claimed by Dr. Harold C. Urey of the University of California, in the latest Annual Report of the Smithsonian Institution.

There was at least one great crash with a large meteorite, Dr. Urey says, with an impact of about 460 billion medium atom bombs. This was more than 100,000,000 times the energy of the largest known earthquake. This naturally had profound effects on lunar geography.

The object, says Dr. Urey,

"flattened out in the collision area and raised a great bulging wave in the moon's surface in every direction, but particularly in the forward direction toward the center of the moon's visible disk.

The affected area was badly broken up, perhaps even to the consistency of fine sand, and after the collision part of the material subsided again.

"It is possible that part of the lunar surface was lifted up and then dropped as big blocks," forming various lunar mountain masses. There were, Dr. Urey believes, other collisions of almost equal magnitude during a very critical early period in the history of the solar system.

The time of this collision, at least 3 billion years ago, was an extraordinary epoch in the history of this part of the solar system, Dr. Urey holds.

It may well have been, he says, "the final stage in formation of the moon, the earth, and indeed the solar system."

New Play Opening In New Theatre

Two "firsts" will occur on campus Wednesday at 8 p.m.

"Right You Are, If You Think You Are" will open as the first of the University Theatre's Arena productions.

Through a group of gossiping Italian characters, playwright Luigi Pirandello has illustrated the philosophy that a person's ideas and judgments are correct if they seem true to him.

Appearing in major roles in the production will be Ken Beachler, Greenville junior; Linda Speicher, Sturgis sophomore; Linda Smith, Wayne senior; and Tom Patchett, Park Forest, Ill., senior.

Technical director for the show, Allen Kepke of the University Theatre staff, has been kept busy coordinating planned sets with the new Arena Theatre.

This recently remodeled theatre-in-the-round is located directly below the Auditorium. The performance of "Right You Are" will mark the first use of the Arena Theatre in its new form.

Workmen have cut out a section of the theatre ceiling, and all lights shine from here. No microphones will be used.

The seats in the theatre are canvas chairs, as before, but they have been wired together in four main sections, with wooden screens placed behind.

Oscar McGrew

By JOHN KLEMPNER
Of-the-State News Staff

ON READING IN THE STATE NEWS that men under 25 must live in approved housing

Come hear the sad story of Oscar McGrew. He was born in Chicago and orphaned at two.

At three he sold matches at ten for a penny, and lived in the park, but for winters, and then he would sleep in the doorways.

At seven he started a shoeshine concern, and at nine he, stouthearted, enrolled in a trade school to learn some accounting and buying and selling. His fortunes were mounting.

At fourteen he cried "Why my life's been so static—It's time that I really did something dramatic."

So he sailed on a freighter named Star of the East and for seven long years, then, the world was his feast.

At 21, Osc got a job in Gibraltar running guns and good gin to guerrillas on Malta.

At 22, Oscar sailed off to Malaya On a two-year appointment as Noble Lord Mayor.

At 24, head over heart was then ruling and Oscar decided to finish his schooling,

so he came to that school in the heart of East Lansing. "Not 25 yet?" smiled the registrar, glancing at Oscar's credentials; so for an abode, he sent Oscar McGrew to his new home in Brady,

where the housemother sweet, and of course the R.A. will help keep little Oscar from going astray.

U. S. Lags

HARTFORD, Conn. (AP)—Courtland D. Perkins, former Air Force chief scientist, said the United States is lagging in development of engines that can lift aircraft vertically off the ground.

Perkins, of the Princeton University Aeronautical Engineering Department, complained also that the National Aeronautics and Space Administration has abandoned aeronautical research because of space projects.

In a talk before government and industry leaders, Perkins said the U.S. has a serious development program under way in the project for a tri-service vertical takeoff logistic transport.

Three companies have been awarded a joint contract to develop a craft powered by jet engines driving propellers, with a tilting wing to provide vertical lift or fast forward flight.

"We look forward to new lifting engines that can revolutionize this field," Perkins said.

Perkins said that current "fascination with ballistic missiles and space" is resulting in insufficient attention to problems of aircraft operating up to 70,000 feet and at speeds up to 2,000 or 3,000 miles an hour.

West Germans 'Big Drinkers'

WIESBADEN, Germany (AP)—West Germans set a record high last year by guzzling an average of 99.6 liters of beer—just below 25 gallons—or 5.3 liters more per person than in the previous year ending Sept. 30, the West German statistical office reported Wednesday.

Total beer sales were 57.1 billion liters (about 14.5 billion gallons) or about 90.5 million gallons more than in the previous year, the report said.

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Against Court Settlement Mrs. Polk Defends Labor's Right to Strike

By J. ALLESSANDRONI
Of the State News Staff

"The right to strike is the final and only weapon organized labor has," said Mrs. Ethel Polk, of the Lansing Labor Council, in reply to former Circuit Judge Dale Souter's proposal that the Constitutional Convention outlaw strikes.

"The right to strike is used when it is needed and should be retained as part of the democratic process," Mrs. Polk said.

Souter, of Grand Rapids, made the proposal in a letter to Stephen S. Nisbet, President of Con-Con.

Labor disputes could be best settled in court, said Souter in his letter.

"It seems about time that a real, conscientious effort should be made to provide a forum for the settlement of labor disputes," he wrote.

Mrs. Polk said the right to strike is an issue in cases where collective bargaining procedures are inadequate. If some labor boards were more efficient, some strikes would be avoided, she said.

With an efficient labor board, Mrs. Polk said, there is mutual respect among labor, management, and government; then the strike will be avoided in any case.

Only when all means of arbitration have broken down should the case be brought to court, Mrs. Polk said.

"Unions favor most means to avert strikes or lockouts, but in most instances the elimination of the right to strike becomes inequitable punishment, and neither reflects good judgement nor protects the interest of the community," Mrs. Polk commented.

For example, state and public utility employees are prohibited to strike and they are bitter because there is so little recourse for them, she noted. This is one-sided collective bargaining—an imbalance of power, Mrs. Polk said.

If you completely eliminated the right to strike, there would be illegal strikes and much bitterness between labor and management, Mrs. Polk said.

In his proposal Souter also stated:

"The rank-and-file men who work at the bench or on the assembly line cannot afford the terrific financial losses which they sustain as a result of strikes."

To this Mrs. Polk countered that she can prove there is public exaggeration about the workers' financial loss in strikes.

The rank-and-file can judge well if the loss is worth risking, and usually this loss is only temporary, she added.

"When the workers take a strike vote," Mrs. Polk explained, it doesn't necessarily mean they will strike but that they are willing to strike if they need to."

When they do strike, there is

a matter of timing involved which determines the workers' financial loss, she said.

The time of year of the strike, Mrs. Polk said, can determine its duration. If the garment workers walked out in the garment companies' slow season, management could take a vacation, she said. Having the upper-hand, management could outlast the union.

"This is why the United Auto Workers walked out this fall in the rush season to produce the 1962 cars," Mrs. Polk said.

Placement Bureau

Interviewing at the Placement Bureau Friday. Additional information in the Placement Bureau Bulletin for the week of Nov. 6 to 10:

Los Alamos Scientific Laboratory interviewing physics, math, chemistry majors, mechanical, chemical, electrical, and metallurgical engineers.

Square D. Co. interviewing electrical engineers.

The Trane Co. interviewing mechanical engineers — Dec., March and June grads, production administration, business administration; Dec. and March grads; Journalism, English, advertising; Dec. and March grads; accounting majors; Dec., March and June grads.

The Institute of Paper Chemistry interviewing chemistry, physics, applied mechanics majors and chemical engineers.

New York Central System interviewing chemical, mechanical, electrical, Dec., March and June grads; business and public service; Dec. and March grads.

M.I.T. Lincoln Laboratory interviewing mechanical, elec-

trical engineers and physics majors.

Wyandotte Board of Education interviewing elementary education, speech correction, vocal music, girls physical education, crafts and homemaking; Dec. grads only.

Campbell Soup Co. interviewing mechanical, chemical, electrical, agricultural, and civil engineers.

The Pennsylvania Railroad Co. interviewing civil and electrical engineers.

The Budd Co. interviewing mechanical, and electrical engineers and others from the College of Business and Public Administration; Dec. and March grads only.

Central Soya Co. interviewing chemical, mechanical, electrical, agricultural engineers — Dec., March and June grads; all colleges of Business and Public Service, Dec. and March grads only.

AVCO Corp. Electronics & Ordinance Division interviewing physics and mechanical engineers.

Livonia Public Schools interviewing all majors of the College of Education, Dec. grads.

Students Smashup, No Reported Injuries

Jon Putz, Croswell sophomore, was ticketed Saturday evening by East Lansing Police for failure to yield right of way resulting in a three car collision at Grand River and Gunston St.

Putz pulled out of a service station parking area striking a car traveling west on Grand River driven by Dorothy Tenniswood, Warren senior. Miss Tenniswood's car was forced into the right lane resulting in a third car striking her's from the rear.

The driver of the third car told the other drivers that his car was not damaged and drove on. The vehicle a white station wagon is being sought by police. Putz's car received considerable damage also as well as damaging Miss Tenniswood's vehicle.

A car driven by Raymond Botkin of Detroit struck a parked car in a University Village parking area Saturday night causing minor damage. Botkin was attempting to back out of a parking space. He was not ticketed.

A parked car rolled from the Student Services Bldg. parking area Saturday afternoon crossed the street and struck a car parked at the curb. The case is under investigation department of public safety of officers said.

In a fourth mishap a car driven by James Bacus, Flint struck a car driven by James Woodruff, Okemos. Woodruff was attempting a left turn off Shaw Lane onto the service drive leading to the Agriculture Engineering Bldg.

Damage was minor and neither driver was ticketed.

"If Mother could return to her traditional duties in our economically broken homes, the forces of juvenile delinquency would receive a greater assist than Federal millions will ever provide." — Harmony (Minn.) News.

TODAY ON CAMPUS

Geography Club — Tuesday, 3:30 p.m., 409 Natural Science.

Baptist Student Fellowship — Tuesday, 7:30 p.m., music variety program, 332 Oakhill.

Beta Gamma Sigma — Tuesday, 7:45 p.m., Wolverine picture, Union Tower Room.

Engineer's Wives — Wednesday, 8:00 p.m., Spartan Hall.

IFC-Pan Hel — Friday, 9 p.m. — 1 a.m. Masonic Temple, downtown Lansing.

German Folk Dance Group — Tuesday, 8 p.m., 21 Union.

Block & Bridle Club — Tuesday, 7:30 p.m., horseshow meeting, discuss plans, 110 Anthony.

Wesley Foundation — Tuesday, 7-10 p.m., choir rehearsal, conversation with Paul Worthington of the Peace Corp, 1118 S. Harrison.

Spanish Club — Tuesday, 8 p.m., U.N. Lounge.

A.W.S. Activities Board — Tuesday, 7 p.m., 328 Student Services.

ASAE — Tuesday, 7:30 p.m., Agricultural Engineering.

American Society of Mechanical Engineers — Tuesday, 7 p.m., 111 Olds.

Lutheran Student Assn. — Wednesday, 7 a.m., Communion and light breakfast, University Lutheran Church.

Lutheran Student Assn. — Tuesday, 4 p.m., study hour, University Lutheran Church.

Volleyball Club — 4-6 p.m., gym 3, IM bldg.

China Hails Stalin, Albania but Holds Ties with Russia

TOYKO (AP)—Red China spoke out Monday in defense of the late Joseph Stalin and Albania, but reaffirmed its traditional ties with the Soviet Union.

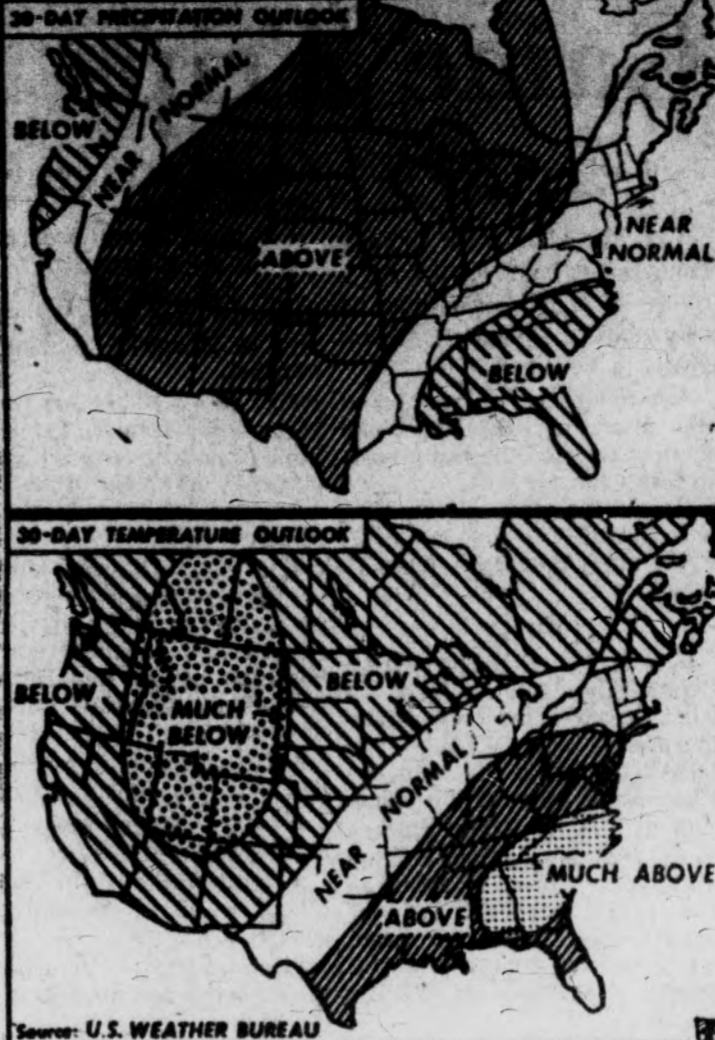
Stalin and Albania were denounced during the party congress that ended in Moscow last week.

The Peiping People's Daily, official organ of the Chinese Communist Party, hailed Stalin for turning "backward Russia into a prosperous and powerful Socialist country."

Fallout Pollutes Rain Japs Warn

TOKYO, (AP)—Japanese officials, taking note of the highest radioactivity ever recorded over Japan, Monday warned residents of the southern island of Kyushu against drinking rain water. The rise was laid to Russia's superbomb blast.

But a number of scientists agreed that the radioactive level was still below the maximum permissible level for humans and said there appeared to be no immediate cause for alarm.



U. S. Mores, Manners To Be Discussed

The third lecture discussion for new foreign students will be held Thursday from 7:30 p.m. to 9:30 p.m. in 36 Union. This discussion period will be led by Dr. Ruth Useem, who will speak on various aspects of Manners and Mores of American Culture.

Dr. Useem is co-author along with her husband, Dr. John Useem, who is head of the Sociology and Anthropology Department, of the book "The Western Educated Man in India."

Foreign students who have arrived for the first time this fall are particularly invited to

NATO Asks

(Continued from Page 1)
papers by U.S. officials entering East Berlin.

There are no plans at this time for him to call again, White said.

White House Press Secretary Pierre Salinger was asked about reports that President Kennedy was unhappy with the handling of the West Berlin situation by Gen. Lucius D. Clay, Kennedy's trouble shooter in the troubled city. Salinger declined comment but other high government sources said the report was "totally inaccurate."

Greek, U. S. Police Will Be Compared

A comparative analysis of United States and Greek police departments will be given by Col. E.S. Kanellakis at the Alpha Phi Sigma, police administration honorary, meeting Tuesday night.

Kanellakis, a colonel in the air force of the regular Greek army, is enrolled in the school of police administration and is working for a masters degree in corrections administration.

He received his commission as a graduate of the University of Athens school of law and be-

came a colonel in 1957. Kanellakis has been distinguished as a civil judge and legal officer. He has a long career in military law in Greece.

Since June 1951, he has been director of the Directorate of Laws, preparation and planning, in the Royal Hellenic air force, Athens, Greece.

The meeting will be held at 7:30 p.m. in 21 Union.

Peace Corps Talk

Paul Worthington, a field representative of the Peace Corps, will be at the Wesley Foundation, 1118 S. Harrison at 7 p.m. Tuesday to discuss the Peace Corps and its philosophy.

Any person interested in the Peace Corps is invited to attend.

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Geographer To Speak On Africa

Dr. Harm de Blij will speak at an open house sponsored by Gamma Theta Upsilon, geography fraternity on "South Africa—A Problem in Political Geography," Tuesday at 3:30 p.m. in 409 Natural Science.

Dr. de Blij spent seven years in the Union of South Africa and studied at the University of Witwatersrand in Johannesburg. He is now a member of the geography department staff and teaches the department course on Africa.

The open house, to be held in the geography department, is designed for undergraduates to become better acquainted with graduate students and the staff.

Members of Gamma Theta Upsilon will be present to discuss the fraternity, its purpose and membership requirements.

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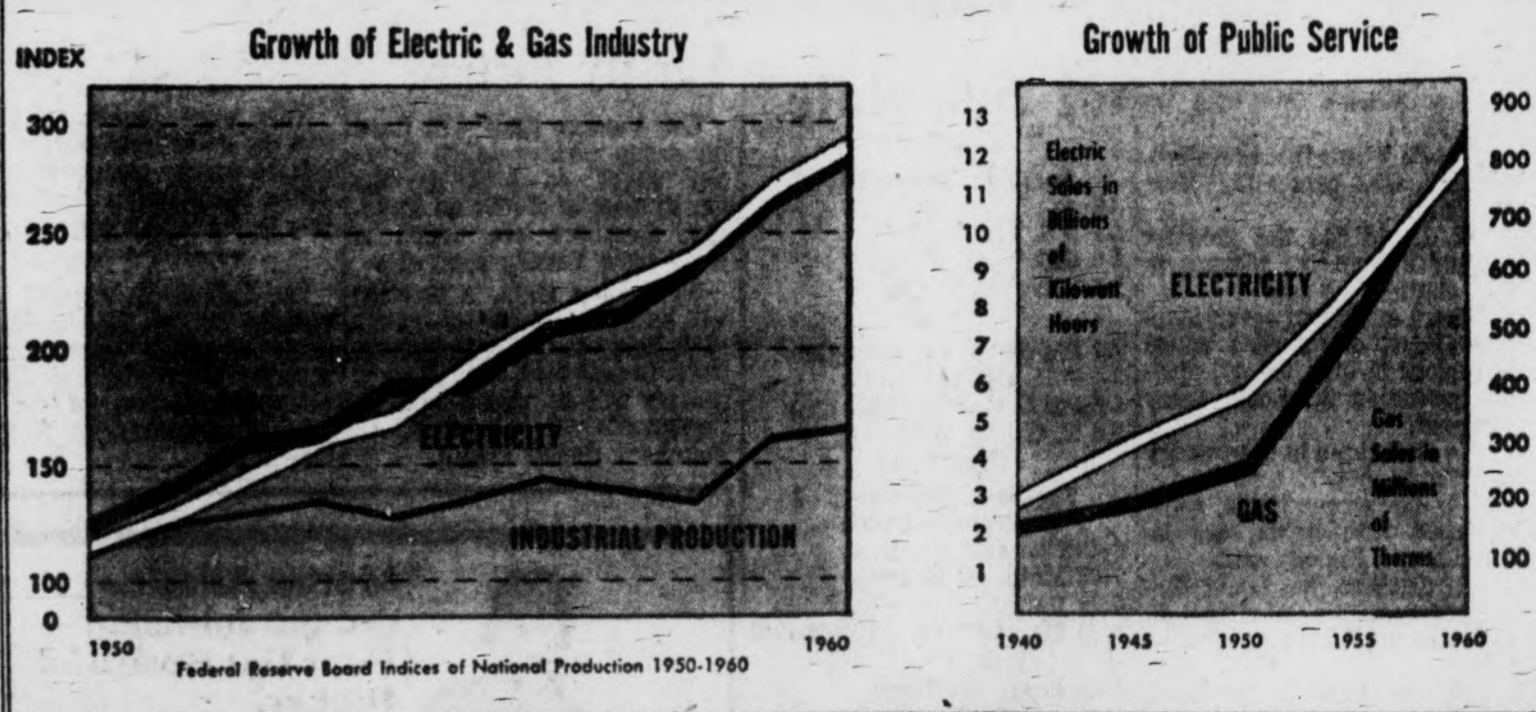
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GREEN BAY PACKERS star halfback Paul Hornung, left, is examined by Lt. Peter Barglow, admissions officer at Great Lakes Naval Station hospital at Great Lakes, Ill. Hornung was supposed to report for active duty with Army, but was ordered instead to report to the Navy hospital for a new physical examination. He has been troubled with a neck ailment caused by a pinched nerve.

Spartans-St. Louis Clash for Titles

By MIKE SKINNER
State News Sports Writer

"Soccer town" USA is located in St. Louis, Missouri, and that is from where Michigan State's next soccer opponent hails.

St. Louis University, NCAA champion for the last two straight years, will invade the Spartans home field Saturday, in what State coach Gene Kenney has called "our biggest game of the year."

Two points are going to be settled, and settled in a hurry, Saturday. They are:

1. The winner will be this year's representative from the middle west in NCAA play-offs.

2. The Midwestern Collegiate soccer title is at stake. Whoever wins the game also wins the title.

This is the day the chips are down, this is the game that is played for "keeps," according to Kenney.

St. Louis is a test of how good any college soccer team is. The Billikens have had a collegiate team for only two years, and both years they've swept the NCAA championship title.

"St. Louis is good again this year, and they will be good every year," Kenney said.

Most athletic teams may have a powerhouse for two or three years, then struggle through several lean ones. Why doesn't Kenney foresee this with St. Louis?

"That's where the name Soccer town, USA comes in," Kenney said.

"St. Louis has the greatest feeding system for players in the country," he said.

"There are six to seven thousand boys, from ages seven to seniors in high school, playing soccer in St. Louis every weekend.

"No other area in the country can match that." Fifty-one soccer fields, some equipped with lights, are located there, Kenney said.

Bob Guelker, St. Louis University coach, is also the director of the CYC program, he said.

"He sees these boys from the

Sports Data

Entries are now being accepted for the IM foil fencing tournament. The tournament will be held November 20, 7 p.m. in the fencing room. Sign up in IM office.

M.S.U. IM handball doubles begin Tuesday at 7 p.m. All players entered should report to IM supervisor in hall above handball court.

Turkey Trot scratch meeting will be held at 4:30 in room 208 IM Building. All teams must be represented.

Game Trips All Business

By JERRY FISCHER
Sports Editor

The Michigan State football team might have passed for a troupe of junior executives as they boarded a plane for Minneapolis last Friday.

Neatly dressed in coats and ties, many carried school books as they climbed the ramp leading into the aircraft.

Here's the story of the Minnesota trip, a schedule typical of the many that Spartan teams make.

FRIDAY

9:30 a.m.—Departure from Capitol City airport. Start somewhat delayed by movie photographers who asked for pictures of captain Ed (Rocky) Ryan as he boarded the plane.

10:10 a.m.—Many players were studying. Some chatted while others tried to relax as the plane bounced in stiff head winds. Somebody asked a question on a math formula. George Azar came up with the answer.

11 a.m.—(Minnesota time)—arrival at Minneapolis airport. Temperatures of 20 degrees and high winds made the players rush to the buses waiting to take them to the downtown hotel.

dining hall. Steak, green beans, rolls and salad.

1 p.m.—Players ordered to bed for a two-hour nap.

3:15 p.m.—Buses left to take the team and crew of pressmen to Memorial Stadium for workout.

3:30 p.m.—Buses arrived at Minnesota's Memorial stadium. Field was still covered so the players worked out in the spacious field house and adjacent practice field.

4:10 p.m.—Players left the field house. St. Paul newspaper photographer detained George Saines and backfield starters Sherman Lewis, Ron Hatcher, Pete Smith and Earl Lattimer for pictures.

6 p.m.—Evening meal. Steak, baked potato, salad, toast.

7 p.m.—Buses took team downtown for movie.

9 p.m.—Back from movie. Team served hot chocolate and cookies.

10 p.m.—Players returned to their rooms and turned in for the night.

SATURDAY

10 a.m.—Pre-game meal. Steak, toast and honey, tea.

11:45 a.m.—Players boarded buses and left for field. Police escort speeded trip.

12:30 p.m.—Lunch in hotel

on field to check turf before dressing.

12:50 p.m.—Pre-game warm-ups.

1:30—Game begins.

4 p.m.—Game over. Players dressed and boarded bus for airport.

6:30 p.m.—Plane took off for return flight.

7 p.m.—Meal served on plane.

9:30 — (Michigan time) — Landing at Capitol City airport. Return to Brody dormitories by bus.

The press corps and other

team officials travel on the same plane with coaches and players. They, too, have been busy on the journey.

But to the players, a football trip is a business trip and not for fun and games.

The players go to play football. They're kept too busy to have time for anything else.

Orchestra Tickets Tuesday

Ticket distribution will begin at 9 a.m. today for the Berlin Philharmonic Orchestra concert Nov. 12 and the Cleveland Orchestra concert Nov. 15.

Coupon C in student activity books may be exchanged for reserved seat tickets at the Union Building second-floor checkroom.

Students may choose either concert while tickets last. Curtain time is 8:15 p.m. for the Berlin Philharmonic and 3 p.m. for the Cleveland Orchestra.

Activity book coupons will not admit students to either concert but must be exchanged for reserved seat tickets.

Spoilermakers Next

Michigan State's football team will battle an always-tough Purdue eleven Saturday as the Boilermakers hold "Dad's Day" at Lafayette, Ind.

The winner will take the lead in the exciting series that currently shows each team posting seven wins while one game ended in a tie.

In the past the Spartans have had plenty of headaches with the Boilermakers and Purdue upsets in 1953 and 1957 helped earn the latter the nickname of "Spoilermakers." The 6-0 loss in 1953 ended a 28-game winning streak and was the only blemish on an otherwise perfect mark for State. And the 20-13 defeat in 1957 was the lone marr on MSU's slate and knocked the Spartans out of the Big Ten throne room and a possible national championship.

The Spartans have had some good moments too in the series. They've won the last two starts with the Boilermakers. In last year's game at Lafayette, State bounced back after trailing 13-3 in the third quarter to win by a 17-13 score. Fullback George Saines showed a lot of potential that day, carrying eight times for 48 yards in a TD drive that went the length of the field for the clincher in the final minutes.

Among the pacesetters on

Coach Jack Mollenkopf's eleven the Spartans will have to contain are guard Stan Sczurek, quarterback Ron DiGravio, fullback Roy Walker and halfback Tom Bloom.

HURRY!
Last 2 Days

LUCON

Feature 1:10 - 4:45 - 8:30
Until 5:30 p.m. 90c
Evenings \$1.25
Children 50c

WINNER OF 4 ACADEMY AWARDS

HAVE YOU SEEN "ONE OF THE YEAR'S BEST"?

SPARTACUS

Starts Thursday

THE ROMANTIC DITHER OF THE DECADE!

PETER USTINOV
ACADEMY AWARD WINNER

SANDRA DEE
JOHN GAVIN

Romanoff

Juliet

Anderson Directs At Cage Coaches' Clinic

Collegiate and prep basketball coaches from all around Michigan and the Midwest will converge at Michigan State Friday and Saturday Nov. 10-11, for MSU's Ninth Annual Basketball Coaches Clinic.

The two-day clinic, rapidly becoming one of the Midwest's top annual instructional programs, is sponsored by Michigan State's Department of Athletics and the Continuing Education Service of the University.

Head Basketball Coach Fordy Anderson directs the program with help from able Assistant Coach Bruce Fossum. Joining the Spartan mentors on the teaching panel will be Lt. Col. Robert Spears, head basketball coach at the U.S. Air Force Academy.

The highlights of Lt. Col. Spears' clinic presentations will be the discussion of his unique press defense and shuffle offense which he has employed so successfully since his appointment to the Academy.

Demonstrations and drills will be handled by members of Coach Anderson's 1961-62 varsity squad, now in training for a Dec. 2 season opener with Northern Michigan at Jenison Field House.

The varsity will be in the spotlight Friday night before clinic members and fans alike as it stages an intra-squad game in the Sports Arena of the Men's Intramural Building. Game time is 8 p.m.

Clinic sessions are set for Friday morning and afternoon and again on Saturday afternoon prior to a noon windup.

P. M. Soccer

The only scheduled afternoon Michigan State soccer game has been announced for this Saturday when the Spartan boosters meet the University of St. Louis.

Game time is 1:30 p.m. at the Soccer Field.

This very important game will decide the Midwestern Collegiate soccer champ and this year's Midwestern representative to the NCAA play-offs.

Dr. Leland G. Merrill, Jr., captain of the 1942 Michigan State wrestling team and a member of the 1948 U.S. Olympic squad, is dean of the college of agriculture at Rutgers University.

Varsity Picture

The Varsity Club will have its group picture taken Tuesday night at 8:25 on the fourth floor of the Union Building. Members are urged to wear their Varsity sweaters.

Wednesday night, a meeting will be held at 7:30 p.m. in the Club Room for all active members. Detroit Red Wing Hockey movies will be shown and refreshments will be served. All members should attend.

"Marisa Allasio, the she animal in Poor But Beautiful flicker."

BOY!

"The natural and genuine skills of Miss Allasio measures 38-23-38!"

Marisa Allasio

Poor But Beautiful

Michigan State University

FOREIGN FILM SERIES

Fairchild Theatre Tuesday, November 7

Admission 50c 7 & 9 p.m.

SPARTAN BRIEFS

"Automation Theory" will be the subject of a seminar to be delivered by Professor Martin Bronfenbrenner of the University of Minnesota at 3:30 p.m. Tuesday in parlor C, Union.

The seminar is jointly sponsored by the departments of economics, agricultural economics and the Money Workshop.

Michigan State halfback Gary Ballman set a Reserve Officer Training Corp summer camp record in 1961 by running a mile under five minutes wearing a full field pack.

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3 A-H SPRITES

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Girl Watcher's Guide

Presented by Pall Mall Famous Cigarettes

The nudge is permitted when a beautiful girl is sighted in an unusual place or at an unusual time.

LESSON 3 - Concerning self-control

Although we believe that girl watching has it all over stranger happens to have a pack of Pall Mall Famous Cigarettes, and you're dying for a good, natural smok, you may break this rule.) Normally, the girl watcher's pleasure is warm, quiet and internal. However, there are cases when a discovery is so dazzling it must be shared. Such a case is illustrated above.

WHY BE AN AMATEUR? JOIN THE AMERICAN SOCIETY OF GIRL WATCHERS NOW!

FREE MEMBERSHIP CARD. Visit the editorial office of this publication for a free membership card in the world's only society devoted to discreet, but relentless, girl watching. Constitution of the society on reverse side of card.

This ad based on the book, "The Girl Watcher's Guide." Text Copyright by Donald J. Sauer. Drawings Copyright by Eldon Doolin. Reprinted by permission of Harper & Brothers.

Pall Mall's natural mildness is so good to your taste!

So smooth, so satisfying, so downright smokeable!



WELL... —They can't complain about dancing too close to your partner on this one. The twist, currently seeping into American dance patterns, is a musical fad on campus.



LOST?—Keeping track of your partner is no small problem in the twist. Of course, when you're that far away at times, who really cares? —State News photos by Mike Stoll.

Almanac Predicts Long, Cold Winter

DUBLIN, N.H. (AP)—The Old Farmer's Almanac has come out with its 107th annual pot-pourri: warning of a cold winter ahead, astronomical calculations and tides, how to make onion bread and the eerie visit of pirate Captain Kidd to the widow Stoppens, just 300 years ago.

The saddest item of all—to dwellers in northern areas—is this disheartening statement by Abe Weatherwise:

"You will note April has been added as a winter month." Anticipating the protests of young lovers, spring poets and expectant gardeners, he adds, grimly, "what's the use of calling it a spring month—when it never really was?"

Old Abe Weatherwise, who

AN UNPAID TESTIMONIAL



Richard the Lion-Hearted says:

I would never have surrendered England... if I'd had Jockey support

C'mon, Rich! You're rationalizing. Jockey support might never have secured you against the Emperor. But it certainly would have provided snug protection against the physical stresses and strains of your active life. Your armor never tailored a coat of mail more knowingly than Jockey tailors a brief—from 13 separate, body-conforming pieces.

1. Other "imitation" briefs (copies of the original Jockey brand) have no more Jockey support than a limp loin cloth. 2. Richard the Lion-Hearted, 1157-99, surrendered England and a huge ransom to secure his release from Henry VI.

Get the real thing. Look for the name Jockey on the waist band.



Jockey BRIEFS COOPER'S, INC. • KENOSHA, WIS.

has been making "an honest effort for some 168 years now to discover, through 'inductive' scientific speculation a basic principle of weather."

"Winter will be a little colder than last year... there will not be as much snow..."

He sees cold and some snow continuing into April with May and June generally on the cool side, despite many sunny, hot days. And after that a good July, a rainy August, and September-October marked by only two big storms.

The old story of Captain Kidd contains the tale of his bargain with Stan, whom he described as "a thin, elderly man in a bob wig, velvet breeches and glasses."

Kidd allegedly traded his buried treasure for a magical gold tooth, and hinted that the burial place of the treasure was beside the Hudson River.

This year's almanac, in addition to such useful information as the reproductive cycle in farm animals, gives such items as a recipe for Hawaiian hash, the history of mint juleps, and a description of an inexplicable voyage of a ship, with animals aboard, through the rapids and over Niagara Falls in the year 1827.

The old farmer is sending 1,600,000 copies of his almanac to newsstands throughout the country this year.

Censor Law Tossed Out by Highest Court

WASHINGTON (AP)—The Supreme Court let stand Monday a decision that Pennsylvania's 1959 movie censorship law is unconstitutional.

The one-line order denying an appeal, without comment, accepted the Pennsylvania Supreme Court's ruling that the statute violates freedom of speech and press and due process of law.

The Pennsylvania tribunal had made a major point that such a censorship law providing stiff criminal penalties violated the right of trial by jury.

The high court accepted also the argument that the Pennsylvania ruling does not conflict with the court's decision of last Jan. 23 that states and communities may censor motion pictures.

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JFK, Nehru Meet, Discuss World Affairs

NEWPORT, R. I. (AP)—President Kennedy entertained India's Prime Minister Nehru at lunch Monday and then settled down to talk about world affairs, including the problem of nuclear testing.

Nehru, whose views on nuclear testing vary from the President's, flew from New York to Quonset Point Naval Air Station. The President crossed Narragansett Bay in his yacht, Honey Fitz, and ferried Nehru and others of the party back to Hammersmith farm in fashionable Newport Neck for lunch.

Mrs. Kennedy and their daughter, Caroline, met Nehru at the door where Caroline presented the prime minister a single red rose.

In the Nehru party was the prime minister's daughter, Mrs. Indira Gandhi, who lunched with the first lady.

The president and the prime minister were joined at lunch by B. K. Nehru, Indian Ambassador to the United States, and John Kenneth Galbraith, U.S. Ambassador to India. They ate as guests of rear Adm. Charles A. Buchanan, commander of the Newport naval base.

The President met Nehru at the foot of the airplane ramp at Quonset Point and, after a warm handshake, they stood together while a naval band played "Hail To The Chief" and the National Anthems of the two countries.

Adenauer To Visit U.S. in November

WASHINGTON (AP)—Chancellor Konrad Adenauer of West Germany will visit Washington about Nov. 20, diplomatic sources reported Monday.

Adenauer is expected to be elected chancellor for the fourth time Tuesday when the Bundestag meets to decide on President Heinrich Lübke's nomination.

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Nigerians Now Friends Again

IBADAN, Nigeria (AP)—Nigerian students at Ibadan University College, where the row started over the Margery Michelmore postcard, have now resumed friendly relations with U.S. Peace Corps members.

Miss Michelmore left Nigeria Oct. 18 to return to the United States after dropping a postcard she had written home and containing comments about living conditions in this country. The remaining 36 Peace Corps members continued their special training at Ibadan University College. They will take up teaching appointments throughout Nigeria early in the new year.

Abidoye Babalola, the new president of the student body, said yesterday: "The students have resumed friendly and cordial relations with the Peace Corps. This is good and I hope it will continue."

Babalola said he hoped the Peace Corps members had learned from the postcard incident "an important lesson about how Nigerians react to insult and ridicule and that having suffered from this incident they will be more discreet about what they say, write and think about us."

Campus Studio Completes Film On MSU Events

The film production studio of the Audio-Visual Center recently finished the sound film, "16 Millimeter Report, 1960-1961".

The film was shown for the first time Oct. 28 at a meeting of Alumni Club presidents.

The motion picture is a documentary film cataloging events of the past academic year. It is the second of an annual report series created by the studio.

The first, "Report of a Year, 1959-1960," won a first award for being the best university produced public relations film. The award was presented by the American College Public Relations Assn.

HIGH READERSHIP CAMPUS CLASSIFIEDS

Philco Device Warns of Attack

WASHINGTON (AP)—A \$10 device which automatically turns on your radio and warns you of an enemy attack was demonstrated recently by the Philco Corp.

Officials said the device could alert 95 per cent of the U.S. population within seconds after an attack alarm.

Philco calls it the "Sentinel Service" and said it would make the design available to any other manufacturer of radio equipment.

The heart of the system is a relatively inexpensive attachment which can be added to a standard portable radio set. It would add about \$10 to the normal cost of such sets, they said.

Standard radio stations, after installing special broadcast equipment costing less than \$100, could transmit a signal to turn on the Sentinel-Service-equipped radio set, sound the

walling siren attack warning, and broadcast instructions to the listener.

Dave Smith, Philco vice president, said defense department officials had expressed "definite" interest in the system.

It involves no government subsidy, he said. Smith added the Sentinel Service also could be used to alert residents to weather emergencies such as hurricanes and tornadoes.

He cited the device as an advantage over systems under which the listener must rely on his nearness to an outdoor siren or on the chance that he is already listening to a radio.

Smith said the Sentinel Service also might be used in conjunction with the already adopted Controlled Electronic Radiation (Conelrad) system, under which an alerted listener tunes in to a previously determined frequency for instructions.

OPEN SMOKER

WEDNESDAY, NOVEMBER 8

THURSDAY, NOVEMBER 9

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BEAL HOUSE 308 Beal Street

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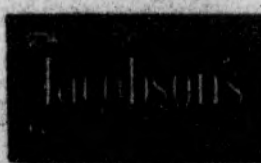
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