Section Two

# The Michigan Daily

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VOL. XXXIII. No. 117 ANN ARBOR, MICHIGAN, SUNDAY, MARCH 11, 1923 PRICE FIVE CENTS

## MICHIGAN PLACES HIGH AT CAPITAL

**Has More in Government Posts Than Any Other Single Institution**

**THREE MICHIGAN GRADUATES AMONG MEMBERS OF CABINET**

Michigan has placed more men in responsible government positions at Washington than has any other single institution. This became apparent following a survey of colleges represented by government office-holders at the capitol. Twenty-four are members of alumni associations of the University.

The greatest number are in the lower house of Congress where 15 Michigan men hold seats. Congressman Earl Michener, who was in the Law School from 1899 to 1901 but did not remain to graduate; George P. Codd, '91; J. M. C. Smith, '05; Patrick Kelly, '96; Louis Crampton, '00L; and Frank D. Scott, '11L, represent the state of Michigan. Indiana has sent Congressmen William R. Wood, '82L; and Milton Kraus, '96L. Edward Taylor, '84L, of Colorado; and Congressman Oscar Larson, '04L, of Minnesota are also former Michigan students. Other Michigan men in the lower house are Congressmen Robert Emery and Albert W. Jeffries, '97L, of Nebraska; Congressmen William W. Chandler and Harry Oaks, '94L, of Ohio; Congressman Don M. Colton, '95L, of Utah and Congressman John Stanley Webster of Washington.

In the Senate there are four Michigan men. These are Senators Gilbert Hitchcock, '81L, of Nebraska; William B. King, '93L, of Utah; Dr. Royal S. Copeland, '24M, of New York; and Charles E. Townsend of Michigan. Senator Townsend, although enrolled in the literary college in 1877 and 1878, did not remain to graduate.

Attorney General Harry M. Daugherty, '81L, Secretary of the Navy Edwin Denby, '94L; and Dr. Hubert Work, former postmaster general and recently appointed secretary of the interior, are in the President's cabinet. Dr. Work was enrolled in the Medical school in 1873 and 1884.

George Sutherland, '82L, of Utah, recently appointed justice on the Supreme court bench, is another Michigan man, now retired, who attended Michigan graduates who have achieved fame in government positions.

## *Museum Displays Flint Implements*

Ancient flint implements of early stone age origin found by Prof. J. B. Steere, professor of zoology from 1881-1894, near Bear Lake in Washtenaw county, have been placed on exhibition in the museum in the basement of Dr. W. B. Hinsdale, of the anthropology department, that these implements are even older than the exhibit of European neoliths on display in the Museum, in spite of the fact that these early stone age dwellings are not represented in America as parallel portions to the paleolithic and neolithic ages in the old world.

The exhibition consists of two collections of two distinctly different types found within 50 rods of each other on the south-east shore of Bear Lake in Webster township, Washtenaw county. The first series is made up of several "roughed out pieces" which are unfinished. They were probably implements which did not measure up to the standard of workmanship in those days and were thrown away as "spoils of war."

The second group consists of stone chips or "rejects" of an entire different type. Early man making arrow heads or other implements frequently spoiled one and finding it easier to manufacture a new one cast the old one aside. These rejects as they are called are of great significance in determining probable stone age dates.

## *Great Track Carnival Here Will Attract Hundreds Of Entrants*

Finely polished bottles lightly working out before the gun announces the first event of the carnival. Handsome men, hair smoothed back, prance up and down the track, limbering up for the big event. Lovely damsels in bathing suits preen their every motion.

Hundreds of athletes there, smiling, determined, happy. Excited coaches dying back and forth from mat to man shouting hurried instructions. Eager faces of children, eyes agape, admiring the wonderfully muscled men attired in track costume.

The hour of the big race approaches. Perry field is packed to its capacity. The men line up, actually hundreds of them entered in the one big race. Dr. George A. May, freshman gym coach, in charge of ceremonies. He raises the gun, pointing it to the skies, his face is aglow with enthusiasm for the great meet.

"Take your marks!——Get set!——Bang! They're off! The sounds recede in the heavy tread of hundreds of runners. The leaders are running neck and neck. One, a tall lanky red sweatered lad, hastens his pace. Another, a short stocky youngster, also quickens his stride. The two draw apart from the rest of the group. All through the race they speed abreast one another.

At the call of "last lap" they put every ounce of effort they can command into the grind. And yet neither can gain. The race ends a draw. Thirty seconds later the last man finishes, fatigued and visibly worn. The grind has told upon him. Then the hundreds of participants line up and undergo their daily calisthenics, led by Doctor May.

Such is the picture Doctor May paints of his freshman gymnasium class one of these fine days. As soon as the ground dries up a little, if the good weather continues, he is going to lead forth his track onto his miniature Perry field between the gym and the Medical building. And what a carnival there will be!

## CAMPUS STYLE TO DEMAND SEN IS KNICKERBOCKERS

Knickerbockers will be more popular for the men at Michigan this year than ever before, in the opinion of State street clothiers. Knickers are more comfortable, require less pressing, and are more collegiate than the long trousers. The form-fitting serge called plus-fours will be the type worn most, they say.

## FIRST ISSUE OF OPTIC SENT TO PUBLISHERS

**WILL CONTAIN 16 PAGES; COVER WILL BE PICTURE OF CAPTAIN BURKE**

Copy for the first edition of "The Michigan Optic", a congratulatory magazine that has been recently established on the campus, was sent to the publishers yesterday. The magazine will appear on the campus during the week of March 19.

The first edition of the Optic will contain 16 pages of pictures of local interest, the greater number of them having been taken on the campus by the staff of Optic photographers. It will sell for 10 cents.

**Pictures of Local Interest**

Pictures of interest pertaining to campus events will be used mainly exclusively. The cover will be a full page reproduction of Captain Burt Burke, '23L, of the track team in a starting position. Pictures of the Michigan track team and of the Cornell squad which will compete in a track meet here a few days after the Optic is published, are also to be run.

Lecturers who have spoken in Ann Arbor during the past month have been photographed and their pictures will be used to sum up local happenings previous to publication of the magazine. Some photographs of the campus taken by two Optic photographers who climbed to the top of the tower on the site of the new literary building are also to be published.

**Is First Trial Issue**

The issue that will appear at this time is the first of three trial issues of the new conservative magazine authorized by the Board in Control of Student Publications to be published before the end of the current school year. John Russell, '24, and Harvey Reed, '24S, are managing editor and business manager for these issues.

If the first numbers prove successful the magazine will be established as a regular publication on the campus.

## TO HOLD TRYOUTS

Tryout speeches of new men seeking membership in Adelphi House of Representative will make up the principal part of the program of Adelphi Tuesday night. Notice is given that any other men who are interested in public speaking will be welcome at the meeting and may present their applications for membership if they desire.

**Frosh Band Must Wait**

Due to the fact that the directors must spend all their time preparing the Varsity band for its spring trip, the freshman band will not be organized for several weeks. Charles J. Cole, '22, assistant to Capt. W. Wilson, director of the Varsity band, has charge of the freshmen.

## HEAD OF WORLD'S SMALLEST REPUBLIC IS SNAPPY DRESSER



Khalily-Ir Bumbanerrera.

Khalipolis, Buenabentura is president of Andorra, smallest republic in the world. It lies in the Pyrenees mountains and has a population of 5,000.

## HIGH SCHOOL DEBATE PRELIMINARIES HELD

Preliminaries in the high school debates in this state which are being conducted under the direction of the Extension department of the University have been completed, and 24 teams remain in the league after the elimination held this far. The 140 teams which were competing for the championship of the state in debate have now been reduced to the given number.

The first of a series of six debates which will be held between these 24 schools will be given March 16. At this time half of the number of schools will be eliminated and from then on the eliminations will be conducted until two teams remain. These two teams will meet May 4 in Ann Arbor to decide the state championship in debating.

The question that is being debated this year is: Resolved, That the United States and Canada should construct the St. Lawrence Waterway. The question has been found to be evenly divided, there being about the same number of victories on the negative side of the question as on the affirmative.

## *Noted Scientist Will Give Three Talks This Week*

Dr. Walter Rosenhain, well known scientist, has been secured to give three University lectures Wednesday, Thursday and Friday, March 14, 15, and 16, in Room 168 of the Chemistry building. The lecture on Wednesday will be at 8:00 o'clock and the other two at 4:15 in the afternoon.

Dr. Rosenhain is an Australian by birth but received the greater part of his education in schools of England. At present he is at the head of the metallurgical department of the National Physical laboratory at Teddington, England, where he has done much fundamental work in the constitution of matter.

Dr. Rosenhain was called to America for the purpose of giving the annual lecture before the Institution of Mining and Metallurgy and the American Institution of Mining and Metallurgical engineers. Before he returns to England he will speak at Columbia, Yale, Lehigh, Case, Michigan and other of the larger schools.

He is an outstanding thinker and a clear and forceful speaker. His lectures will be on subjects that are of general interest. Dr. Rosenhain is the author of a number of technical publications and is probably best known for his book published in 1915, An Introduction of Physical Metallurgy.

During his stay as the University the scientist will be entertained at a number of luncheons, one given by the departments of chemical engineering and chemistry, one by the department of physics and one by Prof. G. W. Patterson, of the department of engineering mechanics.

## HARRIS WILL PUT ELECTRON TO WORK

J. R. Harris, instructor in general chemistry at Michigan from 1911 to 1919, will talk on "Putting the Electron to Work" at 8:00 o'clock, Tuesday night, March 13 to the Chemistry auditorium, under the auspices of the American Chemical society. Since he left Michigan, Harris has been research chemist for the Western Electric company in New York, doing extensive investigating work on audion bulbs, more commonly known as amplifiers, for use in radio and wireless outfits. During the war he had charge of the production in this department and did much valuable work.

The lecture will be demonstrated and of interest to all having any knowledge of radio or wireless, or to chemists who are interested in the theory of the electron structure of matter. The general public is invited to attend this lecture, which will be free of charge.

## *--- Today In The Churches ---*

If the attendance at the Sunday morning services of Ann Arbor churches is any indication, the services are extremely appealing and interesting. The old feeling that churchgoing was merely a duty and not a pleasure has seemingly disappeared, and Sunday morning talks in the various churches are something to look forward to with enjoyment.

"The Unbeliever," one of Hugh Walpole's popular novels will be the topic of Rev. H. J. Zonn's morning sermon at the First Congregational church. "The Problem of Religion" will be the coordinate discussion of the morning. At 12:00 o'clock in the morning, an Open House will be held at which the choir of "Michigan's Two Wealths" will be discussed by Prof. Russell Watson, of the forestry department. University students will sing at the University hospital at 5 o'clock on the afternoon, and at 6 o'clock, the students of the Presbyterian church will talk on "A Survey of March Magazines—What Do Students Read?"

**Baptist**

At the first Baptist church, Rev. R. E. Sayles will have as his subject, "Stubbornness Overthrown." Morning service is at 10:30 o'clock. The student Bible class, led by Mr. Chapman, will meet at 12:00 A. M. Guild friendship hour in the church will be held at 6 o'clock, followed by a devotional meeting at 6:30 o'clock. The subject of the devotional service will be "The Fight For Character," by Rev. Sayles.

A sermon on "Concerning the Holy Spirit" will be given by Rev. S. S. Robins, at the Unitarian Church, this morning, following the meeting of the Church school at 9:45 o'clock. At the Young People's supper, at 6:45 o'clock, a discussion will take place on the morning sermon.

Rev. A. W. Stalker will have as his sermon this morning at the First Methodist Church, "Lent and Action." Bible classes will meet at 12:00 o'clock in Wesley hall. At usual, Wesley hall will be open to all who wish to come from 4:30 to 6:30 o'clock in the afternoon. Miss Mildred Campbell will lead the Wesleyan Guild Devotional meeting at 5:30 o'clock in the evening. "Friendship and Christianity" will be Dr Stalker's topic for the evening sermon at 7:30 o'clock.

**Special Music At Methodist**

Special music for the morning service will be: "Pastorale" (Guilmant), Mrs. Rhead; "Romance" (Svendsen), Mr. Clancy and Mrs. Rhead; "Benedictus" (Gounod), the chorus choir; "Why Art Thou Cast Down" (Dpicker), the chorus choir; "Lowly Kneel We" (From Mors at Vita) (Gounod), Mrs. Wheeler, Miss Howe, and Mr. Dower; "Finale from Sonata I" (Guilmant), Mrs. Rhead; "Offertoire" (Dubois), Mrs. Rhead; "O Light Divine" (Rastalsky), the chorus choir; "Lift Thine Eyes" (From Elijah) (Mendelssohn) Miss Hollands, Miss Martin, and Miss Howe; "Toccato (Dubois) Mrs. Rhead.

Bible school at the Church of Christ, which is meeting temporarily in Lane hall, will meet at 9:30 o'clock in the morning. Mr. H. C. Collman will be the teacher. The subject of the morning service will be "Intellectual Measles". The Men's Service club, taught by Dr. C. Stoffer, will meet at 5:30 o'clock in the afternoon. Christian Endeavor will meet.

"There is a Lad Here" will be the subject of Rev. L. F. Gunderman's morning sermon at the Trinity Lutheran church. Bible school will meet at 9:30 o'clock in the morning.

**Presbyterian**

At the First Presbyterian church, Rev. Wyman will speak on "Missions and Civilization", at the morning service. Student classes will hold their regular meetings. At 4:30 o'clock, Francis P. Weisenburger will lead Christian Endeavor in a discussion of "Christianity and the New Social Tendency".

The morning sermon at the Zion Lutheran church will be in English. Rev. E. C. Stellhorn will speak on "Seeing the Real Jesus." At 5:30 o'clock, the Student forum will meet, followed by the evening sermon on "The Fourth Saying from the Cross."

There will be Holy Communion at St. Andrew's Church at 8 o'clock this

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## COMMANDER OF FIRST TROOPS IS LAST TO RETURN



Maj. J. W. Downer

The ship which brought back Maj. Gen. Henry T. Allen, commander of the U. S. forces of occupation in Germany, also brought back Maj. J. W. Downer. This officer, one of the last of the officers to return from Europe, commanded the first U. S. army unit to enter France. He sailed July 27, 1917, as commander of the Sixth field artillery, first division A. E. F., battery A. He has received virtually every war medal of the allied nations.

## RHETORIC CLASSES RECEIVE REPLIES

Replies to letters written last fall have been received by members of freshmen rhetoric classes from Japanese students of Waseda university in Tokio, Japan. A bundle of more than 250 have arrived and more are expected. Many of the letters received were written on thin rice paper and contained in long, narrow envelopes, delicately painted or printed with Japanese designs. Some were written on long sheets like old Hebrew scrolls, but folded instead of rolled.

From a few of the letters read the following was learned. Waseda university accommodates 13,000 students, mostly men, of whom 2,00 are Koreans. Most of them are taking seven subjects, and some are taking more. Sports are popular. One letter says, "Here we have every sort of athletics except speedball." Waseda university holds championships in rowing, track, tennis, baseball, and basketball.

Professor Kennard, of Waseda university, a Michigan graduate who had charge of the letters, states that these letters are worth thousands of dollars to them.

## *AT THE THEATERS*

**Arcade**

The week beginning March 11 is gala week at this theater, featuring two great pictures, "The Toll of the Sea" and Charley Chaplin in "The Pilgrim." The "Toll of the Sea" is a photoplay in natural colors based on an old Chinese legend, which states that the sea takes to pain and sorrow those she sustains of her gifts. When an American is washed ashore, Lotus Flower, a young Chinese girl, revives him, and her joy knows no limits. She learns the truth of the legend when, after her marriage to the American, he goes off to his country and leaves her alone. He comes back, but under circumstances which make her look to the sea for relief from her unhappiness.

Charley Chaplin in his newest comedy, "The Pilgrim," is said to rival "The Kid." The story is that of an escaped convict who stole the clothes of a minister, and is mistaken for the new minister when he hits a small Texas town. He is unwittingly forced into the pulpit, and complications follow which our Chaplin all his former fame.

**Majestic**

"Java Head" by Joseph Hergesheimer, is the opening attraction here on Sunday. The story has to do with a seaman of old Salem who marries a high born Chinese girl from ruffians in China. Although he loves a girl in his home town, he marries her and takes his bride home with him.

Laurence Joy has the role of Tang Lyen, the Chinese girl, and Jacqueline Logan plays the part of Nerie, the Salem girl whom he loves. Albert Roscoe portrays the part of Gerrit Amsfolder, the skipper.

Because Constance Baily was bored with the social grind of the wealthy New Yorkers, and takes the position of teacher in the East Side settlement district, forms the plot of a very pretty story, "The New Teacher" which will be screened here on Friday and Saturday. Shirley Mason stars in the role of the wealthy New York girl.

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## ELABORATE NAMES CARVED IN TAP ROOM BY SENIORS

Most extraordinary of the 75 names which have been cut upon the table placed in the tap room of the Union for the members of the class of '23 is a wooden soldier with a particularly large stomach. The initials appear to be A. D. L. A is the hat, D is the stomach, and L the legs and feet.

Several others are worked out in diamonds, pentants, and in script. The exact center of the table has a huge block "M", having a 19 on one side and a 23 on the other. The space below it is reserved for the football scores.

## SUNDWALL GIVES VIEWS ON FLU PREVENTION

**SAYS PRESENT EPIDEMIC NOT SO SEVERE AS 1918 ATTACK**

"The present epidemic of influenza, while it is widespread over the entire country, is not so severe as that of 1918," stated Dr. John Sundwall, director of the student physical welfare, yesterday. "Pneumonia as a result of influenza is not occurring so often during this outbreak, and therefore one may regard the present epidemic as not serious, providing that all students take proper precautions when they feel the infection coming on.

"The best method of treatment seems to be to remain in bed during the presence of a temperature," said Doctor Sundwall. "It is also extremely advisable that all students report immediately to the Health service in cases of respiratory infection. The danger would be very much diminished if all would follow this recommendation," he said.

At this particular season of the year students should be on guard and in view of the prevalence of influenza it is well to regard all colds as mild flu, he added. No student or instructor should attend classes with a cold. Droplet infection, open coughing or sneezing on the part of those afflicted with colds, should be rigidly banned from the classrooms.

In regard to the ways in which flu is transmitted and the ways it may be largely prevented, he said, "Flu is spread by contact infection, hand to mouth infection, and also by the roller towel, the common drinking cup, and eating utensils that have not been properly sterilized. The hands should be thoroughly washed before eating, promiscuous gatherings of people should be avoided. The body resistance must be kept up through ventilation at all time, by daily exercise in the open air, by getting at least eight hours of sleep every night, by guarding against exposure to wet and cold, and by keeping the daily habits regular."

## CAMPUS DRAMATIC GROUPS ARE BUSY

**Junior Girls, Comedy Club, Players, Masques and Others Hold Regular Rehearsals**

**MIMES TO BRING YPSILANTI PLAYERS TO ANN ARBOR SOON**

Dramatic activities on the campus are receiving unusual attention at the present time as the various clubs are preparing for their annual productions or for their occasional plays.

Perhaps the foremost in interest on the list of coming performances is the 19th Annual Junior Girls' play which is to be given on March 23, 24, 23, and 24 at the Whitney theater. "Jane Climbs A Mountain", written by Lanella Hollis, '24, is the name of the play to which men are to be admitted for the first time in the history of the production. Prof. John L. Brumm, of the rhetoric department, is the director.

Comedy club is holding daily rehearsals to prepare for its annual play which will be given on April 4 at the Whitney theatre. The members of the club have chosen to present "Mr. Pim Passes By" written by A. A. Mallne. The cast is working under the direction of Prof. J. Raleigh Nelson, of the engineering English department.

Two one-act plays are on the schedule of Players' club to be produced on March 14 in Barbour Caswell hall. "The Matadorin Coat" by C. P. K. Riley is being coached by Theodosia Borton, '23, while R. L. Taylor, '24, and Vera E. Katz, '24, are the director and the assistant director, respectively, of "The Goal" written by A. H. Johns.

Masques has decided its membership into five groups, every one of which is to produce a one-act play for the entertainment of Women's league parties during the spring. Dorothy Jeffrey, '24, is general chairman of the various productions while each group has its own particular chairman: Hadi Werkheiser, '23, in charge of group one, will direct the first play, "The Silly Ass" which will appear at the league party to be given March 16 in Sarah Caswell Angell hall. Group two, with Rhea Schlack, '24, as director, will give "My Lady Dress-s" on March 28.

"Mrs. Pat and the Law" is an Irish comedy which Theodosia Burton, '23, of group three, will direct for the league party on April 27, while at the same party group four will play "The Person in the Chair" with Velma Leigh Carter, '24, in charge. On May 11 group five will be directed by Catherine Greenough, '23, in the production of "Will O'The Wisp".

Mimes gave two successful one-act plays last Wednesday and Thursday and is planning several more. In the near future it expects to bring the players of the Ypsilanti Little theatre to the Mimes playhouse.

Play production classes are also busy as they plan to give a public presentation of "Clarence" on March 26 in University hall.

## *Michigan Students Describe "Bumming" Tour Of Europe*

Two students, Edwin Ide, '22, and Walter Prar, '23, started last summer on what is probably one of the most unique trips ever engaged in by Michigan students. Leaving Detroit with only $50 apiece, already they have "bummed" their way through Germany, Poland, Austria, Czecho-Slovakia, Italy, and England. A large typewritten diary, kept by Ide, has been received by his friends and is the source of the material of this article.

A few of the most interesting excepts follow:

"Saturday, Nov. 4. Today fortune again smiled upon me, for Chief Recruiting Agent Evans proved to be a graduate of Ann Arbor in the law class of 1910. He gave me a fine recommendation which secured me a position on a transatlantic liner . . .

**Sermon Nearly Missed**

"Friday, a shipmate, has just told me in German how the people of Bremen nearly starved from short rations during the war . . . He says they harbor no ill-will against America—only France and England.

"We are in Germany at last. Bremenhaven. Here we had to break our traveler's cheques, for marks are bought only by one dollar at a time—they are exchanging 6900 marks for one American dollar. We saw a remarkable horse which we could have bought for $250 dollars. No one wants property—taxes are too high.

"Beer is prevalent everywhere. Today we ordered a glass of milk apiece, receiving with it a small glass of rum. We like the German jazz, however. Your syncopate a-la here . . . for a change they will play pieces like "Margie" or "I'm Forever Blowing Bubbles."

**Use No Cosmetics**

"Something I notice about the German girls—none of them use cosmetics. Food is ridiculously cheap. We buy coffee for one cent, ice cream for two cents, and so on. One can live indefinitely for a dollar.

"One little girl told me today in broken English that her father earns but seven thousand marks a week, a little over our dollar, and out of this has to clothe and feed a whole family. Poverty is the cause of terrible moral conditions here.

"We visited a Polish university as guests of one of the students. His living quarters are cold, damp, and without any comforts. These students study harder and longer than we do, seemingly disregardful of fellowship and school spirit.

**Italy Dirty**

"Italy, especially Naples, is indescribably dirty. Streets and people, both are filthy.

"In Florence we met an Oxford scholar. He tells us that the deans at Oxford hate efficiency—none of them could tell you the university enrollment. American scholars—Rhodes scholars especially—get along fine at Oxford—they can do as they please and get away with it because they are Americans. Walter is looking forward to a six-week course at Oxford, while I want to visit Heidelberg."

The diary concluded when the two were debating upon visiting the Orient.

## Air Speed Records Smashed



Lieut. Lester J. Maitland beside his record smashing aerial speeder

Air speed records? Yes, they set them. Not to keep them but to break them. Lieut. Lester J. Maitland, army flyer, had no more than set a new air speed record of 245 miles an hour beating Sadi Lecointe's mark of 233 when one of his brother flyers "stepped on the gas" and beat Maitland's record by 20 miles an hour.

## Do You Know

When the school of Dental Surgery was founded?

Who are the men who received letters in basketball during the past season?

What is the method of awarding letters?

YESTERDAY'S ANSWERS

It is not necessary to graduate from the University in order to become a member of the Alumni association. Any student who has attended the University at any time is eligible for membership in the association. When a student leaves the University, he may obtain an annual membership in the association by paying a fee of three dollars and filing required forms. Permanent membership may be obtained by the payment of $50. This fee may be extended over a period of six years by which case a payment of $10 a year is required.

Letters have not been given to members of the swimming team of this season as yet. These letters will be awarded at the next meeting of the Board of Directors following Coach Fielding H. Yost's return from his western trip. Men who have been recommended to receive letters are as follows: Norman R. Hanson, '23, of Chicago, Lyle S. Hubbard, '23, of Toledo, George W. Hyde, '23M, of Detroit, John W. Kearns, '24E, of Evanston, Ill., Alfred L. Meissner, '25, of Cleveland, Eric Milliner, '24A, of Detroit, Richard O. Papendiek, '25, of Manistee, John G. Searle, '23P, of Evanston, Ill., Francis L. Smith, '23E, of Los Angeles, and Manager Wallace P. Elliott, '23, of Oakland, Cal.

## May Start Optical Work Soon On New Lens For Observatory

Optical work on the 27-inch lens for the large refracting telescope whose mechanical parts are now under construction at the University observatory shops, may be started in the near future if the 18-inch rough glass disk recently cast for the purpose in Jena, Germany, and shipped to this country last February, passes final inspection.

No notice of the arrival of the disk has been received, however, from the John A. Brashear company, Pittsburg, where the optical work will be done, and it is expected that the delivery may be delayed due to present transatlantic freighting conditions. The actual work on the lens will take considerable time; similar work on a 40-inch lens, the largest in existence, recently built for Yerkes observatory, took five years.

The telescope under construction was donated by Robert P. Lamont, '91E. It was designed under the supervision of Prof. W. J. Hussey, of the astronomy department. Negotiations for the casting of the disk were undertaken as early as 1911 with firms in Germany and France, being the only organizations in the world with facilities for such work. Skilled labor for production of these disks is extremely scarce, knowledge of the craft being confined to a single Swiss family in which it is passed from father to son; excepting in the case of the German works where development of the industry has been fostered by the government. Finally in 1918 after the close of the war, Schott and Sons, Jena, accepted the contract.

The Pittsburg firm, whose optician, J. B. MacDowell, will finish the lens, is one of two in this country fitted for this work. As soon as Mr. MacDowell's work is finished the lens will be sent to Ann Arbor, where the instrument will be assembled and tried. Though its permanent location is still uncertain, states Professor Hussey, it will probably be placed in a foreign country where conditions are found most favorable for its use.

There are now in existence only seven telescopes with lenses larger than the one now under construction: the Yerkes telescope; Lick observatory's 36-inch instrument; 30-inch telescopes at the observatories of Berlin, Germany; Nice, France, and Pulkowa, Russia, and Allegheny observatory, Pittsburg; and a 28-inch one in possession of Greenwich observatory, England. The largest refracting telescope in the University observatory has a 12-inch lens.

Telescopes are of two distinct types: refracting and reflecting. In a refractor the image is focused to view by means of a concave mirror of proper form, reversing the direction of the rays; the necessity for large lenses is obviated, and reflecting telescopes with mirrors as large as 60 inches in diameter have been constructed. The University observatory has a 37 1-2 inch reflector, used in photographic work.

In a refractor the light passes through the large lens and then through a series of smaller ones, the focusing being done by refraction only. Though refractors have distinct advantages over reflectors in certain phases of astronomical work, difficulty in casting homogeneous glass disks of sufficient size has always hindered their manufacture.

Registrar Hall to Return in May

Registrar Arthur G. Hall and Mrs. Hall have left Florida City and are now staying at Daytona Beach, Fla., where they expect to be for two weeks more before returning north. Registrar Hall's health is much improved and he is expected to resume his duties at the University the earlier part of May.

Patronize Daily advertisers—Adv.

### AT THE THEATERS

**Screen—Today**

Arcade—"What a Wife Learns," with Milton Sills and Marguerite De LaMotte; "Fighting Blood;" news.

Majestic—Laurette Taylor in "Peg O' My Heart;" Buster Keaton in "Day Dreams;" Four Usher Sisters in latest songs and dances.

Orpheum — "When Danger Smiles," with William Duncan; Pearl White in "Plunder;" comedy.

Wuerth—"Heroes of the Street," with Marie Prevost and Wesley Barry; comedy; Sunshine Kiddies in songs, dances and impersonations.

**Stage—Tonight**

Whitney—Comedy club presents "Mr. Pim Passes By."

**Stage—This Week**

Garrick (Detroit — "Kempy," with Grant Mitchell and the Nugents.

Shubert - Michigan (Detroit) — A. A. Milne company, "Mr. Pim Passes By," by the Bonstelle company.


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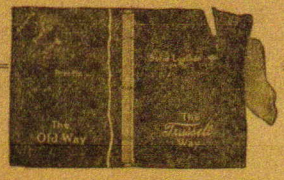


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