

Olson Elected President By 465 Votes

Over Half Students Vote In Election; Sophomores Dominate Senate Positions

Mancur Olson, Ag-Jr, was elected president of the NDAC student body in last Tuesday's election. Over half of the student body took part in the election. Olson received 465 out of the 920 votes casted. Richard Hill and Andrew Sullivan, Olson's opponents, received 324 and 131 votes respectively. Last year 779 ballots were cast.

Two year senators and number of votes received are Michael Fogel, 590; Gary Hart, 533; Richard Froeschle, 418; Gary Gibbons, 407; Sonia Swanke, 397; and Dorothy Lund, 377. Five of the six two year senators are sophomores, Fogel being the only freshman.

One year senators elected and number of votes received are Kenneth Moxness, 934; Charles Gronberg, 881; David Bartholomew, 767; Barbara Widdifield, 634; James Gross, 571; Donald Ellingsberg, 515; and Wesley Rae, 325. Three of the one year senators are sophomores and four are juniors.

The School of Engineering will have the largest representation on the 1953-54 Student Senate with five Senators. Agriculture has three, home economics and arts and sciences both two and chemistry one.

The constitutional amendment to create a commissioner of Radio was passed by a total of 850 votes. Only 48 no's were cast.

At the open forum last Monday night Olson stated that the student body should be given more responsibility in forming policies affecting them. To achieve this Olson outlined a four point platform including suggestions of student representation on the College Council, Student Senate formation of a classroom conduct and cheating board, housing of the radio station in the Student Union and retention of the present rate of the student activity fee.

Olson belongs to the Agricultural Economics club, the Co-op house, the International Relations Club, the Lutheran Students association, Blue Key and Alpha Zeta. For the past year Olson has served on the Student Commission as the Commissioner of Campus Affairs and secretary, on the Board of Directors of the Student Union corporation, and on the Student Senate.

Carry over senators are Walter Fogel, Richard Hansen, Richard Hill, David Parker, Richard Wenberg and Nickolas Westman. New officers will be installed at the first meeting of the Senate during the spring term.

Plans Set To Televis Brevities All Over US

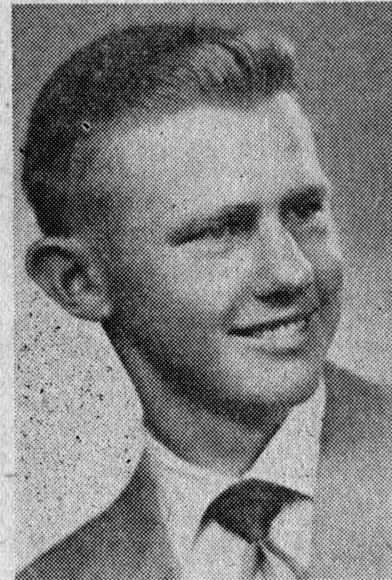
Tentative plans are now being made to televise the 1953 Bison Brevities, according to Marlowe Jensen, director of Brevities. The company that has offered the contract will film a number of college variety shows throughout the country and will show the films all over the United States.

In "Picture", a rotogravure magazine of the Minneapolis Sunday Tribune, a pictorial review of the Bison Brevities will be featured about a week before the Brevities are staged. Pictures for the spread will be taken at dress rehearsal.

Some of the musical scores for the Brevities acts have been finished and others nearly completed. Paul Hanson's orchestra will begin rehearsing at the beginning of spring quarter.

AG ECON SEMINARS

Future regular meetings of the Agricultural Economics seminar will be held on Tuesdays to avoid conflicts with the Institute of Regional Studies.



Mancur Olson

Blue Key Elects 5 Men; Initiation Scheduled April 9

Blue Key, national service fraternity, will initiate five members at its first meeting, spring quarter, Thursday, April 9. Students to be initiated are John Babinski, Charles Gronberg, Robert Kubas, Bjorne Naaden and Wesley Rae.

John Babinski, Ag-Sr, is a member of the Gold Star band, Alpha Gamma Rho fraternity, the American Society of Agricultural Engineers, the Engineer's council, Tau Beta Pi, Alpha Zeta, Phi Kappa Phi and advanced Air ROTC.

Charles Gronberg, CE-Jr, is worthy master of Alpha Tau Omega fraternity and belongs to the Letterman's club, the American Society of Engineers, the Arnold Air Society, the college choir and is a letterman in football and track.

Robert Kubas, ArchE-Jr, is president of the Theta Chi fraternity and former pledge marshall. Kubas is a member of the Letterman's club, Atelier Chat Noir and the American Institute of Architects. Kubas is advertising manager of the Bison yearbook and is a varsity letterman in track and football.

Bjorne Naaden, Ag-Jr, is the newly elected vice-president of Theta Chi fraternity and former social chairman. He is a member of the Intrafraternity Council and will direct this year's Help Week. In addition Naaden has lettered in track and he will direct this year's Theta Chi Bison Brevities act.

Wesley Rae, AAS-Jr, is president of the Edwin Booth dramatic club, vice president of the Lutheran Student's association, belongs to Alpha Phi Omega, the college choir and is copy editor of the Bison yearbook and columnist for the Spectrum.

Men chosen for membership in Blue Key must have attained a certain scholastic average, shown leadership ability and served the college. Willingness to serve, caution in discharging duties and allegiance to God, country and college are responsibilities of Blue Key members.



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Time-Life Correspondent To Talk Twice At NDAC; Convo, Seminar Set Tuesday

Frank R. Shea, Time and Life correspondent formerly with the United States Office of War Information, will speak twice for NDAC students Tuesday, March 24, in Festival hall.

"General Ridgeway's New Right Flank—the Importance of Greece and Turkey" will be his topic at



Frank Shea

Speech Class Gives Show At Davenport Featuring 'Slickers'

Thursday evening the community programs class presented a program at Davenport. The class is under the instruction of Constance West. Members of the class are Bill Wright, Fred Bolmeier, Carol Bahr, Jan Myhre, Emerson Hall, and Duane Hovland.

Carol Bahr, assisted by the members of the class, is mistress of ceremonies.

The program included numbers by the City Slickers, Dennis Maxson and Jim Stewart; a pantomime by Bill Wright; clarinet solos, 'No. 1' and 'Clarinet Polka', by Lester Amundson;

'The Kids from the Hills, Marty Kraninger, Al Lindem, and Bob Curl; base solos, 'O Happy Day' and 'You'll Never Walk Alone', by Bob Bahr; western songs by Joanne Marquart;

Joyce Rutherford and Bill Wright in a dance number; and a comedy portion of 'Midsummer Night's Dream' produced by the Edwin Booth dramatic club.

Members of the comedy cast are Marlowe Jensen, Scott Pederson, Donald Zimmerman, Dave Parker, Charles Abrahamson, and Wesley Rae. Constance West is directing the skit.

The community program class studies the community and plans programs suitable for the small community.

10 a. m., and 3:30 p. m. he will consider "What Makes Time Tick" in an informal seminar open to all students.

A veteran newsman and propaganda specialist, Shea spent years in Europe during and after the war on various government missions. During the war he was Middle East news editor for the Office of War Information, headquartered in Cairo, Egypt and later he set up and ran the Allied News service in Italy.

Among other post-war jobs, he accompanied Greek Mission Chief Dwight Griswold to Athens in July, 1947, and was there in charge of all U. S. propaganda through 1948.

This period was when the Communist military offensive in Greece was at its peak. Later he was asked by Ambassador Averell Harriman to handle a special assignment in Paris the correlation and intensification of U. S. propaganda activities in the 16 Marshall Plan countries.

Joining the Time organization after completing this assignment, he was correspondent for Time and Life in Buenos Aires from late 1950 to early 1952, and among other stories covered the closing of the Argentine daily La Prensa, the reelection of President Peron, and the decline of his wife, Eva, who died last July.

His work on the La Prensa affair caused his arrest and close questioning for two nights while police tried to prove Shea and photographer Leonard McCombe guilty of inciting a riot. It needed intervention by the U. S. and British embassies to get them out of a 30-day prison sentence.

Arranged at the suggestion of President Fred S. Hultz, the two talks are not planned to interfere with registration activities, according to F. G. Schoff of the convocation committee. "It was a matter of getting Shea then or not at all," said Schoff; "and Dr. Hultz felt that at least those students who were not otherwise occupied should have the chance to hear him."

Miller Reports Spring Registering In Library

All registering for spring quarter will be done in the reading room on first floor of the library. The same procedure used in Festival hall will be used.

Seniors and juniors will register Monday morning, March 23, sophomores, Monday afternoon, and freshmen, Tuesday morning, March 24. Registering not done between these times will be considered late registrations.

Merlin Miller, director of registration, urges that students give careful thought to their programs as there has been a great increase in students changing their courses after the quarter has begun and this is unnecessary.

NDAC Grants 38 Bachelor Degrees At Quarter's End

Bachelor of science degrees will be awarded 38 students at NDAC, following the close of winter quarter, Saturday, March 28. Two master of science degrees will be conferred at this time. Graduation ceremonies for the candidates will be held this June when all diplomas for the school year are awarded.

Master of science degrees: Education, Bernice Ihlenfeld; chemical technology, John Sparapany.

Bachelor of science: Agriculture, Harvey Barnick, Bertram Berg, Melvin Bjork, Asger Fog, Raymond Halvorson, Thor Hertsgaard, Norman Howe, Arlowe Hulet; Ralph Leet, Ardell Olson, Morris Nelson, LeRoy Rude, Wilbert Schlaht, Darwin Schaubert, James Thompson, Ralph Winge and James Morrison.

Applied arts and sciences: James Fay, Norman Giedt, John Hay and Blair Johnson.

Education: Patricia Carlson Geisler.

Agricultural Engineering: Henry Kucera.

Architectural engineering: Edward Adams, Stanley Baer, James Zimmerman, Arlo Beattie, Robert Kramer and Francis Richard.

Electrical engineering: Donald Edam, Glenn Fanslow, Richard Jacobson and Gordon Mier.

Home Economics: Ruth Helling, Alice Overboe, Genevieve Rutherford, Beverly Haugen and Mary Wanner.

LCT To Stage Fry Play Spring Term

'A Sleep of Prisoners' by Christopher Fry will be the spring term play of the Little Country theatre on May 20, 21, and 22.

Walt Christensen, Marlowe Jensen, Scott Pederson, and Wesley Rae are cast in the play which has its setting in a cathedral in Germany during the last war.

The play is a drama concerning four soldiers who are prisoners of the Germans. Through a sequence of dreams in their cathedral prison, the inner personalities are revealed.

Dr. Frederick Walsh chairman of the speech department is directing the play.

Mid-Term Tests Earlier

By approval of the College council mid-term examinations have been changed from the sixth week to the fifth week. This arrangement will enable students to get their mid-term marks by the sixth week and thus know the standings of their courses.

By the present system many students did not find out their mid-term marks until the seventh and eighth weeks too late to make proper improvements.

Baker Takes Over Spectrum For Spring Quarter; Chooses Sjaastad As Assistant

Renee Baker, HE-Fr, has been named by the Board of Publications to replace Dorothy Morrow as editor-in-chief of the Spectrum for the spring term. Miss Morrow will not complete her office due to student practice teaching.



Renee Baker

Other activities of Miss Baker include Kappa Alpha Theta sorority, Tryota, the Gold Star band, the Woman's Athletic association and co-news editor of the campus radio station.

The remainder of the staff is unchanged with reporters Janet Abrahamson, Gary Hart and Lee Johnson; sports editor, Sam Lowe; columnists, Wesley Rae, Joan Evenstad, Charles Abrahamson; proofreaders, Jane Haas and Lois Fitzloff; Richard Hill, business manager; circulation manager, David Barthlomeew; and advertising solicitor, Carl Elofson.

Miss Baker has had journalistic experience on the Cynosure, Fargo high school newspaper, as reporter, desk editor and feature editor. During the past year she has served as managing editor of the Spectrum.

Other activities of Miss Baker include Kappa Alpha Theta sorority, Tryota, the Gold Star band, the Woman's Athletic association and co-news editor of the campus radio station.

Positions of various positions are now open on the Spectrum. Students interested in reporting, copy-reading, typing and cartooning should contact Miss Baker or leave their names at the Spectrum office.

Next quarter the Spectrum will switch from an eight to a four page paper. This change is necessary because of an inadequate staff. Following the policy of the Board of Publications there will be no newspaper next week due to final examinations.

Hultz Gets Honors At Fargo Banquet; 450 People Attend

Last Tuesday night Pres. and Mrs. Fred Hultz were honored at a "recognition banquet" in the Elks Lodge. About 450 people from all over the state attended the banquet.

Dr. H. L. Walster, Dean of Agriculture, was the principle speaker at the dinner. He replaced Dr. J. L. Morrill, President of the University of Minnesota, who was unable to speak.

Dean Walster cited Dr. Hultz for recognizing the importance of public relations to the institution. Walster also emphasized the importance of the college to the state for, he stated, by its teaching and research it develops natural resources and improves living conditions, in addition it opens up new uses of resources that contribute to the state's development.

Other speakers at the dinner were Roy Johnson of Casselton, member of the Board of Higher Education; former Lt. Gov. Ray Schnell of Dickinson and William Plath of Davenport, vice president of the state Farm Bureau who acted as toastmaster for the dinner.

Dr. Hultz, in reply to the tributes, praised the Board of Higher Education and the college staff, past and present, many of whom, he said, have attained the status of genius.

Dr. Hultz pledged his efforts toward "continued progress of the school." But added that the future of the college rests with the people.

"If the college does go ahead, it's because you people of the Greater North Dakota association, the Chamber of Commerce, the service clubs, the press and radio and—most important of all—you the people of the farms, have been understanding in the needs of your state," he declared.

Interfrat Council To Sponsor Help Week For 85 Pledges

April 7, 8 and 9 have been set as tentative dates of the second annual Greek Help Week by the ND-AC Interfraternity council. Some 85 fraternity pledges will take part

in the pre-initiation activities.

One of the campus projects planned by the council is a campus clean-up which will consist of raking and hauling away debris. Assisting on the project will be the maintenance department who will furnish the trucks and other equipment.

The campus will be divided into seven districts each with an assigned group of pledges.

Painting campus projects include the Health center, the home management house, the Religious Education building and the college YMCA. At the Health center the basement ward will be painted and the walls of some rooms and wards will be washed.

All the walls of the Home Management house and possibly the basement floor will be painted. The college will furnish the supplies for the two painting jobs. The basement of the Religious Education building will be painted and two rooms of the YMCA.

Downtown street cleaning is the city Help Week project. It will consist of sweeping and clearing of debris. The Fargo street department will assist the workers with trucks and other equipment.

Other possible projects include painting the curbs and fire hydrants depending on the weather conditions.

Supporting Help Week is the NDAC administration, the Fargo Chamber of Commerce, Mayor Murray Baldwin and city manager James Dunn.

Chemist Gives Talk, Shows Fire Magic

Dr. Llewellyn Heard of Whiting, Ind., research chemist for Standard Oil company, will give a lecture demonstration of "Fire Magic" in room 207, chemistry building at 4 p. m. on Monday, April 6, according to Dr. R. E. Dunbar, Dean.

Dr. Heard, who has taught chemistry at the University of Georgia, will bring along a truck load of laboratory equipment for use in his show. He punctuates his droll explanation of combustion with smoke rings, green flames, and minor explosions. The experiments show how complex research is, but the technical details are reduced to layman's language.

"Fire," Dr. Heard says, "is the oldest chemical reaction used by man. Yet millions of dollars are spent every year in research on fire."

Among the demonstrations shown will be bubbles of gas that rise through water and burst into flame upon reaching the air, an invisible drawing that suddenly breaks forth into flame; burning iron; exploding soap bubbles that rattle the windows; and sugar that burns explosively when catalyzed only with cigarette ashes.

Dr. Heard's own scientific specialty is catalysts—the materials that speed up and direct chemical reactions. As part of his show he uses a single drop of a powerful liquid catalyst to cause a reaction to take place. As the catalyst for another reaction, he uses ultra-violet light.

An aviation enthusiast who rents and flies light planes for relaxation, Dr. Heard joined Standard Oil in 1936 after receiving his doctorate from Johns Hopkins university. There will be no admission charge to the "Fire Magic" show and the lecture is open to all students.

Communications System Feature Of New Engineer Building; Extensions Planned

The Mechanical and Civil Engineering departments are now located in the new Engineering building on the north end of the campus. This building is completely fire-proof and is modern throughout.

The dimensions of this structure are fifty-eight feet by three-hundred and ten feet; however, plans at the present call for several additions.

Extensions on the east and west sides have been planned for and sometime in the future two more stories will be added. When complete, this building will house the complete engineering department at NDAC.

Some of the more interesting features of the new building are a complete communication system and a centrally controlled clock system. It is possible to send a verbal message, make phonograph reproductions, or send radio broadcasts to any one room or number of rooms at one time from the Dean's office. The electric clocks are controlled from Dean Dolve's office and can be set from there.

The front of the building is occupied by offices, including that of the Dean, and those of the Mechanical and Civil Engineering Departments. A conference room is also located just off the Dean's office.

The remainder of the building is utilized for lecture rooms and laboratories. There are two lecture rooms capable of holding 48 students each, and one that has a capacity of 24. The desks are continuous and the seats are the pedestal type.

Behind the main building is a one hundred foot by 40 foot Quonset that houses the Aeronautical laboratory. Here is found a wind tunnel which has a throat-size of 30 by 24 inches, this being relatively large for a school of this size.

Much valuable equipment is found in the Civil and Mechanical Engineering laboratories in the new building. The machine shop has facilities to do almost any work that can be done in any modern shop of that type. A complete internal combustion lab is also located here.

All of the Civil Engineering department's laboratories except the hydraulics lab have been moved in from the old building. The basement area is being completed so that it can be used for laboratories. It will also be used for air conditioning units, heating units, and ventilation devices.

Course In Fundamentals For Television Begins

Under the auspices of the engineering extension division a six-weeks course in "Television Fundamentals" will begin Tuesday, March 24 at the NDAC.

The course has been designed to prepare radio servicemen in the Fargo-Moorhead vicinity for the advent of TV to this area, by presenting a foundation in television fundamentals, instruction in TV circuits and servicing techniques.

Classes will be three hours duration, on Tuesday and Thursday from 7:30 to 10:30 p. m. Students enrolled will be charged a nominal fee.

Kappa Tau Delta Elects Dube, Herrmann Heads

Henry Dube, Arch-Sr, was elected president of Kappa Aau Delta, honorary architectural fraternity, at the annual election held March 11.

Other new officers include vice-president Fred Herrmann and secretary-treasurer, Harold Jenkinson.

Kappa Tau Delta sponsored a banquet March 5 at the Gardner Hotel for members of the architectural department and their guests. The main speaker at the banquet was Ken White of Ken White associates, New York City who are in charge of the interior decoration of the new memorial union on our campus.

Schacher Accepts Job

John Schacher, MS-Sr, has accepted a graduate research assistantship in parasitology under Dr. Ernest Carrol Faust in the department of tropical medicine and public health at Tulane university. He will work under Dr. Paul C. Beaver on a National Institute of Health grant for the study of visceral larva migrans beginning next fall.

Theatre, Workshop Summer Offerings

New subjects to be taught at summer school have been approved by the College Curriculum Committee. These subjects are a course in theatre practice and a workshop in home economics.

The speech course, Speech 119, will be an introduction to theatre practices applicable to the school theatre. It will include activities in acting, scene construction, scene painting, lighting, costuming, and business management. Three hours of laboratory per week will be required for a unit of credit. Dr. Frederick Walsh will teach the course.

The home economics course, Home Economics 520, will be a workshop teaching the newest developments in research and teaching techniques. The subject will offer three credits.

Engineers Plan Trip

A. W. Anderson, chairman of the mechanical engineering department and C. O. Anderson, assistant professor of mechanical engineering, have been appointed by Dean Robert Dolve to attend a conference and inspection trip at a research laboratory in Ohio.

The trip is scheduled for May and expenses will be paid by the company. NDAC was selected to send these representatives since many NDAC graduates hold positions with the company.

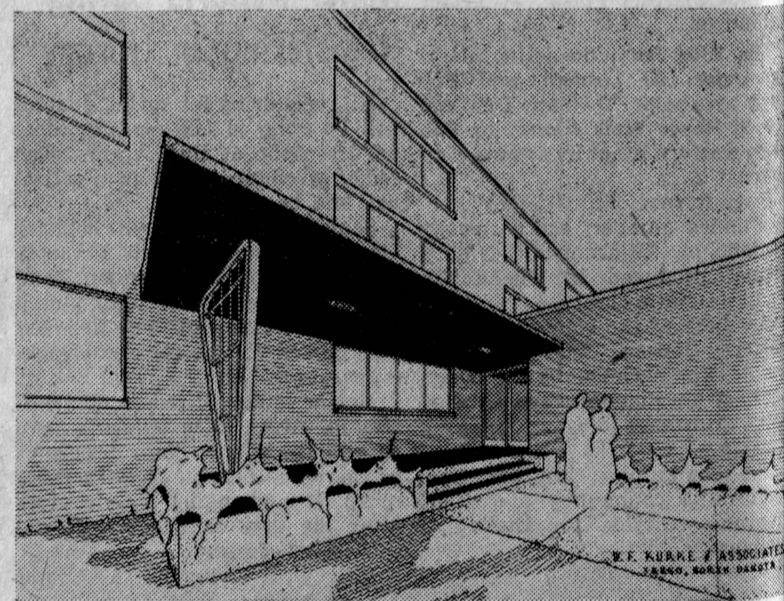
Workmen To Start Women's Dorm Soon

As soon as the frost is out of the ground, work will begin on the new NDAC woman's dormitory. The three-story structure will be built by the Miencke-Johnson firm.

When completed the dormitory will house 80 women. In addition to the 80 double rooms will be two guest rooms and the matron's apartment. Student parlors and laundry rooms will be located on each floor.

The rooms will feature built-in closets, wardrobes and storage space. Built of brick the dormitory is estimated to cost \$400,000.

Site for the dormitory is immediately behind Ceres hall. The dormitory when completed will face north on the proposed North Campus square.



Egyptian Collection Job Opportunities

On Library Display

On display this week in the library is an exhibit of photographic essays of Egypt taken from Life magazine. The collection will remain on display until March 27.

Subject matter of the collection is from both the old and new Egyptian kingdoms, ranging from majestic simplicity to pyramids of famous kings. Along with the photographs are brief paragraphs describing the monuments and reliefs.

Beginning March 28 the library will display the last of the Life magazine exhibits. This collection will include 200 feet of photographs on various subjects taken from past publications of the magazine.

These photographs have been combined and published in a book which students may buy.

FOR RENT—A couple of beat red feathers and one scroungy hooley-hooley skirt. Ideal for tonight's pig wrestle. Can be seen at room 120 Minard hall.

Aircraft Industry Seeks New Engineers; Air Force Offers Overseas Contracts

The demand for aeronautical engineers in the aviation industries for the year 1952-53 is ten times the number of available graduates. This is the conclusion reached from a survey of the aircraft industry by the American Society for Engineering Education, according to Prof. R. K. Wattson, head of NDAC's Aeronautical Engineering option.

U. S. Aeronautical Engineering graduates in the class of 1952 numbered only 860, says Prof. Wattson, whereas the need for new A.E. graduates was about 2,000.

This year the aircraft industry can expect to get about 400 new graduate aeronautical engineers, and in 1954 the supply of new graduates will drop to less than 300. New aeronautical engineers in 1954 will total about 500 counting officers returned from Korea. This is still far less than the demand.

Aeronautical engineers work in the fields of air flow (aerodynamics), design, aircraft equipment, flight test, production, sales, weight analysis, and other areas, and draw salaries from \$350 to \$1600 per month, depending on experience.

The NDAC Placement Service has been asked to assist in recruiting civilians for the overseas program of the U. S. Air Force. There is a need for stenographers, engineers, teachers, accountants and recreation assistants in Guam, Okinawa, French Morocco, Japan, Germany, Alaska, Tripoli and the Philippines.

The period of contract is from one to two years, transportation is paid, quarters are furnished, meals average 60c to \$1.25 per meal, salaries range from \$2950 to \$6000 per year, 13 days sick leave and 13 days annual leave with pay are granted.

After completion of one year, applicant receives a raise from \$80 to \$125 more a year. They are eligible for a change in grade, which may mean an increase of \$400 to \$500 a year. This increase depends on the type of work the person has been doing.

The minimum requirements are age—male 21 to 55, female—21 to 45, U. S. citizenship and a satisfactory physical examination.

Dependents cannot accompany the applicant due to housing conditions. Authority for dependents to join an applicant is obtained from the Commanding Officer of the overseas area. Waiting period is from 3 to 14 months in most areas.

Most areas require a passport, therefore a birth certificate is necessary. For application blanks and further information see Oscar Gjernes at the Placement Office.

Unsung Election Heroes



ELECTION JUDGES, left to right, are Carl Elofson, James Hitter and Robert Nagel count votes Tuesday afternoon. In addition to these three men about 30 students helped tally the ballots for Tuesday's election. Photo by Walt Junkin.

Scholarship Application Deadline Set For All Men's Awards, Thompson States

The deadline for applications for NDAC scholarships is April 1, according to Miss Matilda Thompson, Chairman of the scholarship committee.

The American Foundation for Pharmaceutical Education presents two scholarships of \$200 each to outstanding students registered in the school of pharmacy.

Blue Key offers an award to the man in the freshman class with the highest scholarship average for the first two quarters. This award consists of all in-state institutional fees for the following year. Blue Key also offers a scholarship each year

consisting of all in-state fees for the following year to a senior man.

The Budenhagen scholarship of \$100 is given to a student in the School of Architecture and Architectural Engineering. The F. H. Peavy-Van Dusan Harrington co. Undergraduate Scholarship Fund awards \$300 to a junior or senior student majoring in agronomy.

The Interfraternity council presents an award of \$25 per term to a freshman athlete who has shown greatest improvement in athletics and who has also excelled scholastically.

The Interstate Seed and Grain company scholarship consists of \$250 awarded to a worthy student with a major interest in crops. The La Verne Noyes scholarship is available to those who have been in service or are descended from someone who served in the Army or Navy.

An annual scholarship of \$250 is awarded by the North Dakota Implement Dealers association to a junior. The Osco Drug scholarship of \$250 is given continuously to the same student registered in the School of Pharmacy if scholastic standing is maintained.

Sears, Roebuck and company makes available to NDAC 11 scholarships of \$200 for freshman students enrolled in the School of Agriculture. One individual from among those receiving freshman awards is selected at the end of the freshman year to receive a sophomore scholarship of \$200.

Other awards are the Shiloh Lodge scholarship of \$100, the Tau Beta Pi awards, American Society of Civil Engineers Scholarships, Chemistry club award and the Pharmacy club award.

Further information may be obtained from Miss Matilda Thompson, chairman of the scholarship committee, or the Dean of Men's office.

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From NDAC

Sweetheart Finalists



Janice Hamilton, Joanne Marquart and Joyce Rutherford are finalists in the annual Sweetheart of Sigma Chi contest. One of the girls will be awarded the title March 26 at the Sigma Chi winter term party. All the girls are members of Gamma Phi Beta sorority. Photo by Walt Junkin.

Term Papers Drive Students To Brink; Obscure Topics Dry Up Theme Ideas

by Joan Evenstad

His brow was beaded with perspiration and his eyes were wide and staring. I stood for several seconds watching the flush on his face vary in intensity and his distracted way of pulling on his tie. Finally I sauntered up to him and asked, "Having trouble, old fellow?"

His bloodshot eyes focused upon me and he croaked hoarsely, "Troubles? You think I got troubles?"

He braced himself against the table to counteract his weariness and continued, "Friend, yes. I too was once carefree and gay. Once I was a mere farm boy, content with my 1400 acres, and then I had a strange desire, a mad craving for book learning. So now you see me, the devastated wreck of humanity in which lies a soul which once burned free and alive."

For two week now I have sat in this same chair, at this same desk, with this same pencil, and several 1,000 different volumes from the library. For two weeks, without proper nourishment, without sleep, without life itself. What for you ask? What for?" His voice broke and he sobbed "I'm writing a new term paper."

"Well, old chap, it can't be that bad. What are you writing on?" I cheerfully quiered.

"Life Philosophies of What I Consider the 65 Most Outstanding Men Since Aristotle' is the title of my agonies. I have my title page, 72 pages of bibliography, and 19,674 words left to write," he choked.

"Are things that bad all over?" I cautiously ventured.

"Bad? How could it be worse? I haven't seen my girl in five days." He spoke morosely as his eyes meditated on the pink sweater across the aisle.

"Others have it this rough too. My roommate is writing a thesis on 'How to build a 15 horsepower steam shovel with your old spare parts'. The fellow over there is writing on 'World Economic, Social, and Agricultural Conditions as Related to Hog Raising', and with the

Republicans in now he doesn't know what to write about."

The pink sweater rose wearily from her desk and stumbled towards the back shelves. She emerged from the darkened recesses with thirteen enormous dust laden books.

Before reaching her desk exhaustion overcame her and she crumpled in the aisle. Our hero rushed to pick up her books and while I was picking her up I asked, "What are you doing with all those books? Don't tell me you are writing a term peper too?"

She mopped the perspiration from her pale cheeks and replied shakily, "No, mine are just research papers for home ec. This is not so bad though, now I'm writing on the 'Care and Use of a Sewing Machine Bobbin' but last week I stayed up for three nights because I had to write 10,000 words on the 'Merits of Having A Spatula in the Upper Left Hand Drawer on the Right Hand Side of the Work Table'."

"All that research for a topic like that?" I inquired aghast.

"We must be very scientific," she screamed. "Scientific, scientific."

At the sound of the word scientific, a boy in the back row jumped to his feet and hollered "Is there someone here who will help me? My theme is 'The Importance of Movements of Peristalsis in the Duodenum as an Integrated Function of Digestion.'" His exertion caused a violent reaction and we all bowed our heads as a couple of fellows carried him out.

"Say, Friend," I inquired of my friend, "What is going on here? That fellow over there is playing cat and rat on a paper which has 'The Time and Conditions Which Will Precipitate the Return of the Glacial Age' written on it."

"And the one over there is reading the dictionary page by page. I can hear him muttering about the relative usefulness of very different definitions to one who is attempting to impart a clear and definite meaning to a slipper word. *

"What gives here? Why don't you pick easy topics like 'A Complete Picture of World Events' in one hundred words or so?"

His face paled and his body writhed convulsively as he hysterically screamed, "Do you suppose we pick our topics?"

I picked up my comic book entitled Flying Saucers, Space Travel, and Atomic Enemies and rushed frantically to the door, thankful for the darkening night which covered my tears.

* Williah G. Leary, James Steel Smith, Think Before You Write. Harcourt Brace. New York. 1951. p. 356.

Victor Album Plays Latest Bop; String Quartet At Armory

by Wesley Rae

Tonight at the Moorhead armory the Paganini string quartet will present a concert of Haydn, Hindemith, and Beethoven quartets. Messrs. Temianka, Roseels, Foidart, and Adolphe will play in the group. Quartet No. 5 in D Major by Haydn, Quartet No. 3 by Hindemith, and Quartet No. 16 in F by Beethoven are included on the program.

Tickets for the concert are available at Daveau's. Concert time is 8:15 p. m.

Sunday evening at 8 p. m. the NDAC chorus will present a home concert in Festival hall. Robert Dietz of the music department will appear with three piano solos with the group. His numbers are Prelude from "Suite pour le Piano" by Debussy, Intermezzo in A Major by Brahms, and Two Dances in Bulgarian Rhythm by Bartok.

The chorus, under the direction of Ernst Van Vlissingen, will sing both secular and sacred numbers. Patricia Herr, Carol Kirkhus, Patricia Jones, JoAnn Willert, Robert Wright, and Charles Flaa will sing as a group in Schreck's "Advent Motet", and Charles Abrahamson is the narrator for Muellers musical arrangement of "Lincoln's Gettysburg Address".

"Down in the Valley" and "Oklahoma", choruses from the musical shows of the same name, are also on the program. Tickets for the concert are available from members of the chorus.

Among the latest records is Harry Belafonte's "Gomen-Nasai", one of his popularized versions of a folk tune. Belafonte has become famous for his fascinating ballads on the west coast. He now has a contract with RCA Victor, and will soon appear in MGM's all-Negro movie, "Bright Road".

Some of the new pop records that will make the top spots are "Blues on the River" a Decca recording of the Lawson-Haggart jazz band. It's a story book jazz version of a trip down the Mississippi.

"Smoking My Sad Cigarette" with Jo Stafford is a real blues song with a slow sad rhythm.

A new RCA Victor album is "Around the World in Jazz", which includes the latest bop from New Orleans, Stockholm, London, and Paris.

What's On Our Mind NDAC Students Cut Pages Of Valuable Reserve Book

Some NDAC students do not know that destruction of state property is illegal or else some student are not ethical. Before 3 p. m. last Monday afternoon a reserve book was returned to the library with 17 pages cut out. Later in the afternoon, between 3-7 p. m., the pages were shoved back into the book.

Pages have been ripped out of reserve books before in texts assigned for outside reading in agricultural economics and social science courses. In these cases, however, these books were not irreplaceable. This book involved was the Vanioroum edition of Hamlet used in English 338 which is now out of print.

According to Dean Stallings the 17 pages were cut out the day the outside reading assignment was due; the assignment had been made at the beginning of the quarter therefore sufficient time had been allowed to complete it.

If students continue to "borrow" books from the library without checking them out and if they continue to destroy parts of books, the library will be forced to set up a close stack system.

Under this system the students will not be allowed to browse in the stacks and will not be allowed to take reserve books out of the library. Even this measure will not assure the end of misdemeanors for Stallings reports that books are lost even using this method.

What will prevent incidents like this is maturity. This offense illustrates immaturity for it involves disregard for public property and because it indicates an apathy for learning.

Avoid Squish - Squash Flowing Gutters Means Overshoe Fix-up Time; Carrot Shredder Necessary Tool

by Wesley Rae

It has come to that time of the year when the gutters are full of water flowing to frozen drains. and we must at last don the galoshes we didn't wear all winter.

I know that your galoshes, like mine, are no doubt full of holes. To avoid that damp squish-squash feeling in your shoes, I have a few suggestions to help you repair those nasty little holes.

First gather your materials. You will need a stove, two electric irons, glue, a screw driver, one pair of pliers, a table knife, scissors, a tire patching kit, a carrot shredder, and a washing machine wringer. A few moth balls are handy too.

Also get one old inner tube.

The next step is to clear everyone from the house. If they suspect your motives, watch like a hawk for the first opportunity to send them all to a movie. What they don't know won't hurt th em.

Find your overshoes, (this may take time so allow for it) fill them with moth balls, and hang them on the clothesline for one-half hour.

Open the windows in the house. Now we are ready to begin. Plug in the irons. Turn on the stove to high. The first step may be dangerous, so if you have a gas mask, put it on.

This first process is what is known in intimate circles as vulcanizing. Drop one overshoe on each burner and run. When the smoke begins to clear, return and remove the overshoes. If there aren't any overshoes, perhaps you can repair your father's.

However, if that vulcanizing process didn't quite work, we will try a more technical approach.

Our irons should be hot. Place one overshoe between the two irons and apply pressure. Hold your breath, and shut your eyes. As the sizzling eases off, yank the irons apart and look. Well, sometimes it works and sometimes it doesn't.

If your mother has a pair of overshoes, we still have a chance. We'll use the old method.

Assort the junk from the tire patching kit. Rub the area to be patched with the carrot shredder. Smear a little glue on the hole, cut a piece of rubber to fit it, and clamp the patch with the pliers.

Then we'll roll the end of the screw driver over the patch to smooth it. Now it may be that you don't have time for such a lengthy operation. I would like to suggest a short-cut process.

Tear a few pages from one of your textbooks and make several layers of paper on the bottom of the overshoes. The paper must be changed frequently to prevent mildew.

The short process has the advantage in that it can be used at any time—street corner, in class,—anytime at all. However, if your brother has a pair of overshoes, I have another

LITTLE MAN ON CAMPUS

by Dick Bidler



"But Professor Snarf aren't you checking out books your class will need to study before finals?"

THE SPECTRUM

Published every Friday at Fargo, North Dakota by the NDAC Board of Publications, State College Station, Fargo, North Dakota. Subscription rate \$1.00 per term. Entered as second class matter December 10, 1945, at the Post office at Fargo, North Dakota, under the act of March 3, 1879. EDITORIAL Editor-in-chief Dorothy Morrow Managing Editor Renee Baker Business Manager Richard Hill Editorial writer Ruth Haynes Sports Editor Sam Lowe Social Editors Grace Lehman Columnists Joan Evenstad, Warren Frank, Walt Fogel Reporters Pat Carlson, Betty Lou Danielson, Mary Pat Murphy, Lee Anderson, Judy Sherwood

Today's College Student More Serious Than 50 Years Ago, Educator States

New York, N. Y.—(I.P.)—The college student of today is a good deal more serious than his grandfather was 50 years ago. That's the conclusion of Dr. William L. Prager, who recently retired after a half-century of teaching chemistry at the City college of New York.

Reviewing their activities, Profes-

sor Prager decided that college students of 50 years ago were more boisterous than the present day crop, "panty raids and similar exhibitions notwithstanding." Dr. Prager believes that "the modern college student is less naive than his predecessor and he approaches his work with greater strength of purpose."

Professor Prager finds that the relationship between student and professor has undergone a considerable change during the last 50 years. "In my student days at CC-NY," he recalls, "the faculty was steeped in the West Point tradition and its members were strict disciplinarians. Very few students could break through the reserve maintained by their instructors."

"Today," he finds, "the relations between the student and the teacher are decidedly more friendly. And its a change for the better, I think, because more is accomplished by everyone in such an atmosphere."

Grades are better now, too, Prof. Prager believes, because teaching in the high schools has improved and students are better prepared for college work. When he began teaching, there were nine failures among students in his first class. In his last term there were none.

YM Selects Nominees For Spring Elections

Nominees for the college YMCA have been selected for the spring term election by the nomination board of the group.

Included on the slate are president, Donald Piepkorn, Delbert Moore; vice president, Stanley Elofson, Richard Froeschle; secretary, Frank Rose, Donald Moore; and treasurer, Donald Greenheck, Glen Kirk.

Members of the nominating committee include Gene Williamson, John Schaher, Carl Elofson, Dr. Rainer Schickele and William Ruder, director of the College YMCA.



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Detroit Lakes, Minn.	1.05	1.90
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Alexandria, Minn.	2.50	4.50
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Hillsboro, N. D.	.85	1.55
Grafton, N. D.	2.60	4.70
Jamestown, N. D.	2.20	4.00
Valley City, N. D.	1.45	2.65
Dickinson, N. D.	6.60	11.90
Glendive, Mont.	9.00	16.20
Crookston, Minn.	1.65	3.00
Mandan, N. D.	4.50	8.10
St. Paul, Minn.	4.75	8.55

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Social Spy . . . Gamma Phis' Gain

by Grace Lehman

This weather, it's killing me! Who can stand to go to classes with this Tahitian breeze mussing up your hair and calling you out to your car to spend hours loafing?

GAMMA PHI GALS

. . . were increased in numbers last Sunday when 13 pledges were initiated into the active chapter. New initiates are Kay McGeary, Bonnie Litzinger, Kathy Gerties, JoAnn Willert, Eline Chial, Erllys Mische, Barbara Hammerud, Gail Fitzloff, Arlene Nessel, Arlene Skjelset, Ruth Olwin, Karen Akers, and Nancy Kaiser.

DANCING'S THE THING

. . . when Old Staters turn out tonight for the Beaux Arts Ball in an array of outfits fit for a Carnival in Rio . . . See you there, I'm going as Harvey.

. . . when the Theta Chis decide on a finalist for their Dream Girl tonight at the term party. They'll be dancing at the VFW club.

. . . the SPDs held their winter term party in the outfits of hard timers last Saturday night. They awarded Mr. and Mrs. Art Hanson with a prize for looking the worst off.

. . . the Theta Chis entertained the Gamma Phis last night from 6 to 8 at the Theta Chi house.

NEW THETA PLEDGE

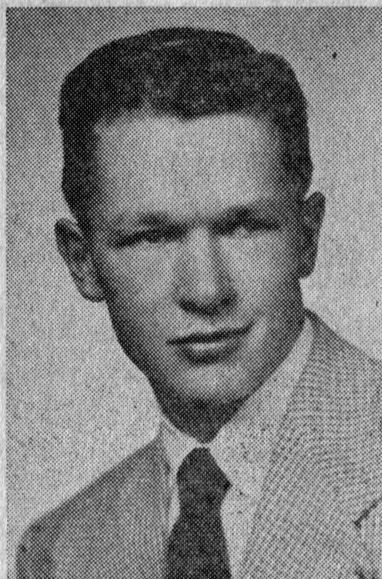
. . . is Joan Cleveberg who pledged last week.

LOVE STUFF

Bette Stellan, a student nurse at St. Lukes hospital, is engaged to Darly Strong, Kappa Sig.

Kathy Hanson is engaged to James Potts of LaMoure.

Hart, Tiegen Greek Prexies



Donald Hart



Arlene Tiegen

Donald Hart, Ag-Jr., has been elected president of Alpha Gamma Rho fraternity for the following year. He is a member of the Saddle and Sirloin club and treasurer of Arnold Air society, was chairman of the prizes and awards committee for the 1953 Little International and assistant parade marshal for the 1952 Homecoming Parade.

Other offices are vice-president, Nickolas Westman; secretary, Earl Mariferen; house manager, Orvin Burnside; pledge trainer, Martin Kraninger; assistant pledge trainer, Gary Gibbons; reporter, Gary Hart; social chairman, Robert Curl; usher, Alvin Fragodt; chaplain, LeVon Kirkeide; and alumni secretary, Marvin Meyers. Senior interfrat-council member is Donald Hart and junior interfraternity council member, Jack Delvo.

Kappa Alpha Theta sorority elected Arlene Tiegen as their new president. Miss Tiegen's activities include head drum majorette for the Gold Star band, Tau Beta Sigma, Sigma Alpha Iota, Women's Athletic association, and choir.

Other officers include vice-president, Beverly Stegge; recording secretary, Marjorie Stoa; Corresponding secretary, Jane Preuss; treasurer, Sally Lohman; social chairman, Grace Lehman rushing and junior Panhellenic delegate, Kay McLeod;

Senior Panhellenic delegate, Beverly Stegge; historian, Mary Hagen; house manager, Elaine Forbes; chaplain, Barbara MacMurray; editor, Jane Brunsdale; Marshalls, Irene Crosby and Janet Vick; song chairman, Sonia Swanke.

Stallings To Attend Professors' Convention

Dean Stallings, NDAC librarian, will attend a national convention of the American Association of University Professors in Chicago March 26, and 27.

Some of the topics to be discussed at the meeting are academic retirement, the responsibilities of the college to inter-collegiate athletics and the academic profession with reference to intellectual freedom.

Colorado U Orders End To Discrimination

Boulder, Colo.—(I.P.)—All University of Colorado honor societies and professional groups must eliminate discriminatory clauses from their charters, stated an 1947 Board of Regents edict. The five year notice has now terminated, according to Dean of Students Clifford Houston.

Dean Houston said that "it is gratifying that so many of our honoraries now invite outstanding students to become members regardless of race, color or creed. The Constitution and the Bill of Rights" he continued, "mean much to too many men in our troubled times. Educational institutions should lead in the application of democratic principles."

No honoraries or professional groups with discriminatory provisions in their charters have been granted University charters since the ruling was made in 1947. The Board of Regents ruling stated that all honor societies and professional organizations "be given five years" notice during which time they are to eliminate from their charters restrictions as to race, creed, or color of their members," or have their charters revoked.

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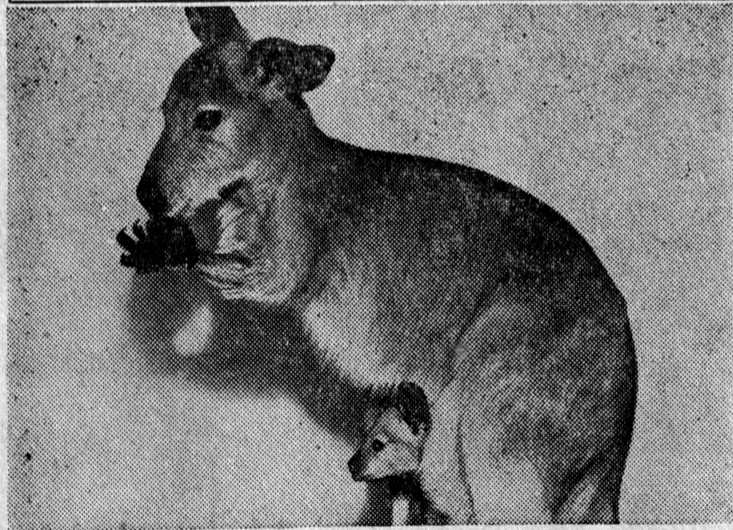
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POOR PAUL felt down under when his girl said, "Your sloppy hair kangaroos our friendship. Never pouch your arms around me again until you high tail it to a toilet goods counter for some Wildroot Cream-Oil. Contains Lanolin. Non-alcoholic. Relieves annoying dryness. Removes loose, ugly dandruff. Grooms the hair. Helps you pass the Finger-Nail Test. Get it or you'll kangaroo the day!" Sheedy tried Wildroot Cream-Oil and now all the girls are hopped up about him. Better reach in your pocket for 29¢ and buy Wildroot Cream-Oil in either bottle or tube. You kangaroo cause it puts real punch into your social life. Ask for it on your hair at any barber shop too, and get a jump ahead of all the other guys!



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Stateside . . .

Lettermen's Club Reorganize; ROTC Curse Strikes Joe S.

by Sam Lowe

Since no one on this fine campus of higher education did anything really outstanding from the sporting world, this week's column of interesting things and stuff will be devoted to uninteresting things and stuff.

It's tough to write anything athletic during this season when there is nothing but practices. The weather doesn't permit any outdoor workouts for the thinclads or the baseball players, so they are forced to run around the gym floor where there is the danger of picking up ankle 'Ambrose' Lowe splints from turning corners on an unbanked floor.

With the ruling which bans spring football practice in effect, it's almost impossible to write much about the sport of the 200 pounder of the turf. There wasn't even a football player who left school during the past two weeks.

★ ★ ★

The NDSC Lettermen's club is trying to make their organization a functioning group. They have previously been known as popcorn vendors at the basketball games and selling beanies to the scared little frosh.

The first thing the Letter Winners did was to pick a new advisor, assistant football coach Bob Roy. Next they were influential in drawing up the new set of rules for awarding varsity awards.

And now these guys have come up with a weekly Letterman's day. Every Wednesday all varsity lettermen wear their sweaters, jackets or blankets. (Or don't they wear

blankets here like they do at the home of the Swoo?)

The Alpha Gams, champions of the WAA volleyball and basketball circuit, threw a feast for some other champions, the Bison basketball team last night.

Bison basketball coach, Charles (Chuck) Bentson is currently in Kansas City for the NCAA basketball playoffs. This is the tourney where they play some real basketball games.

For those of you who don't get a chance to read the Fargo Forum, this may be some type of news. (The rest of you can quit reading now if you haven't already done so). Rod Fercho and "Grut" Anderson were picked on the Forum's All NCC team.

Also on the team were Bob Hussey, Morningside, Don Bruce, SDU, Jack Rilinger and LaVerne Greenfield, ISTC, and Chuck Wolfe and Jon Haaven from NDU. Bison given honorable mention were Don Fougner and Bob Lauf.

The curse of all sportswriters, ROTC, has fallen again. Joe Schround good fellow was given the heart rendering news that he is no longer a member of ROTCorp. Recruit Joe promised to write. (The above is to be read with a violin accompaniment of "Hearts and Flowers").

George Milfs has been named the Most Valuable Player on the South Dakota state basketball team. He was the only senior on the starting five.

Dug thru some ancient Spectrums to see what my predecessors wrote about during the off-season slump and found the following work of literary ingenuity which fits in fairly well with the week of horror by Willie Best.

T'was the night before finals
And all through Science hall
Not a creature was stirring
Oh yeah? Not at all!

The professors were lying
All snug in their beds
While dreams of those final tests
Ran through their heads!

When out in the hall
There arose such a noise
That you surely could tell
It was some of the boys!

So through the dark hallways
The fellows they went
They were out to get tests
To their task they were bent.

They went through the transoms,
They picked all the locks,
They searched through the desks,
(In their heads they had rocks)

For not one lone final
Did any find there
For do you think really
Those teachers were square?

They had taken those tests
And had carted them home
For they knew that at night
That students will roam.

In one desk was a note
Set them back on their heels,
"Happy finals to all,
And drop dead, you Schlimeels!"

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Champ Bucketmen



THEAT CHI intra-mural winners are kneeling, left to right, Duane Hummel, Sterling Stenerson, Charles Lodgard; standing, Coach Aldrich Bradbury, Bjorne Naaden, Edmund Tyson, Donald Kent and Bryon Gackle. Theta Chi also won the I-M football and volley ball titles this year. Photo by Walt Junkin

Kaiser Issues Call For Spring Sports

Athletic Director Erv Kaiser has issued the first call for all golf aspirants for the coming quarter. Anyone interested in trying out for the team is requested to report to Room 204 in the Field House at 4:00 p. m. Monday, March 23.

Trips, practice sessions and tournaments will be discussed at the initial meeting, Kaiser reported. Returning lettermen from last year's team are Dick Hermanson, who is a conference medalist, Tom Radcliffe and Chuck Engstrom.

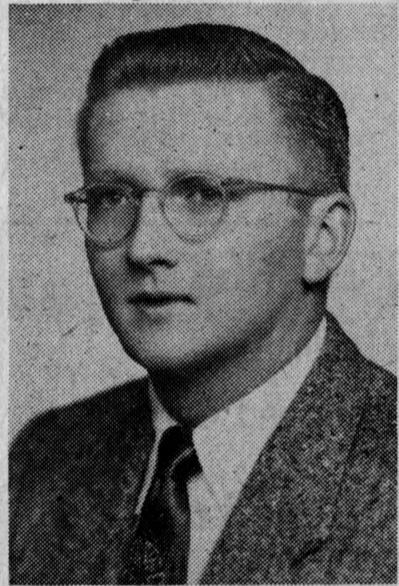
Other sports, besides baseball and track, calling for participants are tennis and trampoline. Both these sports are minor at NDSC but have grown during the past two years. Tennis lettermen returning are Jose Iranzo and Ed Boerth.

Baseball practice will begin the second week of next practice. The season will open on April 27.

Fay Well Known As Basketball Manager, Predicts Favorable Year For '53-54 Team

by Lee Johnson

Seen that fellow on the end of the bench during the basketball season? That was Jim Fay, student manager of the Bison hard-



James Fay

court brigade for the past two years and a bench warmer for three.

Jim has watched the Herd rise from an "also ran" to one of the dominant powers in the North Central Conference, and according to him he has a lot of fun doing it.

A four year letterman at Moorhead high school in basketball, and captain of the squad in his senior year, Jim speaks from experience when he judges athletic squads. In addition to his basketball experience, Jim spent three years on the Spud football squad when the Moorhead outfit lost only two games.

After graduation from high school in 1946, Jim went into the army for a year and a half. After his discharge, he enrolled at NDAC in business administration, and he will graduate next week.

He is a member of the Lettermen's club.

A trip to Sioux Falls, South Dakota furnished the biggest laugh in his three years with the Herd. Early one morning the phone rang and Jim rolled over to answer it.

Suddenly his roommate, Rod Fercho thrust his arms into the air and shouted "Hello". From the next room came the high-pitched laugh of Oz Twedt who was responsible for the phone call. At ten o'clock in the morning when Rod woke he didn't believe he had answered a phone in the dead of the night.

Fay rates this year's Bison basketball squad as the finest he has seen in his years as student manager. He blames their so-so record on bad breaks.

On the other hand he predicts that next year's team should be one of the best ever. A combination of

seasoned regulars and up and coming freshmen will form the nucleus of the future Bison squads.

Coaching as a career appeals to Jim, but the teaching angle does not. As far as next month is concerned, going out to get a job is the first prospect.

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Chemistry School Issues Vocational Guide To Students

The NDAC School of chemical technology, in cooperation with the personnel department, has released an eight-page vocational guidance bulletin illustrating the advantages and opportunities for young people in the field of chemistry.

The bulletin is No. 6 in the "Your Career Series," published by NDAC. Previous publications have concerned aviation, home economics, agriculture, the arts and sciences, and three related careers—architecture, engineering and physics.

In addition to a discussion of opportunities in the field of chemistry, the publication is illustrated with scenes of various laboratory and industrial processes.

Copies of the pamphlet may be obtained from Carl H. Schmidt, personnel director, or R. E. Dunbar, dean, School of Chemical Technology.



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How long before I get my commission?

60 calendar weeks. You will receive the finest aviation training in the world—training that not only equips you to fly modern military aircraft but prepares you for executive and administrative work as well. At the completion of your training, you will have acquired a commission as a 2nd Lieutenant and the coveted silver wings of the United States Air Force.

Where do I take my training?

Pre-flight training will be at Lackland Air Force Base, San Antonio, Texas. Primary, basic and advanced training will be taken at any one of the many Air Force bases located throughout the South and Southwest.

What happens if I flunk the training course?

Every effort is made to help students whose progress is unsatisfactory. You can expect extra instructions and whatever individual attention you may require. However, if you fail to complete the course as an Aviation Cadet, you will be required to serve a two-year enlistment to fulfill the minimum requirement under Selective Service laws. Veterans who have completed a tour of military service will be discharged upon request if they fail to complete the course.

What pay do I get as an Aviation Cadet? And after?

As an Aviation Cadet you draw \$109.20 a month pay. In addition, you get summer and winter uniforms, flight clothes, equipment, food, housing, medical and dental care and insurance . . . all free. After you are commissioned a 2nd Lieutenant you will be earning \$5,300.00 a year—with unlimited opportunities for advancement.

Are all Aviation Cadets trained to be Pilots?

No. You can choose between becoming a Pilot or an Aircraft Observer. Men who choose the latter will become commissioned officers in Navigation, Bombardment, Radar Operation, or Aircraft Performance Engineering.

Do Aircraft Observers get flying training, too?

Yes. Aircraft Observer Cadets receive approximately 200 hours of "in the air" instructions. The primary phase of Aircraft Observer training is the same for all branches (navigation, bombardment, etc.). The basic and advanced phases of training vary, depending on the specific course you pursue.

What kind of airplanes will I fly?

You will fly jets. The Pilot Cadet takes his first instructions in a light, civilian-type plane of approximately 100 horsepower, then graduates to the 600 horsepower T-6 "Texan" before receiving transition training in jets. You then advance gradually until you are flying such famous first-line aircraft as F-86 Sabre, F-89 Scorpion, B-47 Stratojet, B-50 Superfortress. Observer Cadets take flight instructions in the C-47 Dakota, the T-29 Convair, and the TB-50 Superfortress before advancing to first-line aircraft such as the F-89 Scorpion, B-47 Stratojet.

Will my commission be in the Regular Air Force or Reserve?

Aviation Cadet graduates, both Pilots and Aircraft Observers, get Reserve commissions as 2nd Lieutenants and become eligible to apply for a regular Air Force Commission when they have completed 18 months of active duty.

How long must I remain in Service?

After graduation from the Aviation Cadet Program, you are tendered an indefinite appointment in the United States Air Force Reserve and are called to active duty with the United States Air Force for a period of three years.

What recreation and leisure time will I have as a Cadet?

Discipline will be rigid—especially for the first few weeks. However, it is not all work. You'll find swimming pools, handball courts, movies and other forms of recreation on the post.

Where will I be stationed when I get my commission?

You may be stationed anywhere in the world . . . Hawaii, Far East, Europe, Puerto Rico, elsewhere. During your tour of duty, you will be in close touch with the latest developments in new flying techniques. You will continue to build up your flying experience and later should have no difficulty securing a CAA commercial pilot or navigator rating.

Your future is assured if you can qualify! Here's what to do:

- 1 Take a transcript of your college credits and a copy of your birth certificate to your nearest Air Force Base or Recruiting Station. Fill out the application they give you.
- 2 If application is accepted, the Air Force will arrange for you to take a physical examination at government expense.
- 3 Next, you will be given a written and manual aptitude test.
- 4 If you pass your physical and other tests, you will be scheduled for an Aviation Cadet training class. The Selective Service Act allows you a four-month deferment while waiting class assignment.

WHERE TO GET MORE DETAILS

Visit your nearest Air Force Base, Air Force Recruiting Officer, or your nearest Air Force ROTC Unit. Or write to:
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Kirkeide To Head Saddle And Sirloin

LeVon Kirkeide, Ag-Jr., has been elected president of the Saddle and Sirloin club for the coming year. Kirkeide is Chaplain of Alpha Gamma Rho fraternity, was a member of the Junior Livestock Judging team which attended the National Western Livestock show in Denver, and was chairman of the Hog division at the 1953 Little International Livestock show.

Other officers elected are vice-president, Raymond Buelow; secretary, William Costello; treasurer, James Michaelson; assistant treasurer, Robert Curl; reporter, Gary Hart and historian, Alvin Fragott.

"No-Doz" No Good; Endangers Health Authorities Warn

Two members of the hygiene department at Harvard university have warned students that the use of 'No-Doz' is partially responsible for the nervous collapse of many students around exam time.

Dr. Arlie Bock, hygiene professor, terms the taking of 'No-Doz' pills "self-inflicted injury." He adds, "If a fellow can't do his work without resort to such drugs, I would say he doesn't belong in school."

Dr. Arthur Contratto, instructor in medicine, says the pills often cause "severe nervous reaction which, although temporary, is handicapping."

'No-Doz', sold without prescription, is standard equipment for many students who feel the need to cram the clock-around for final exams. A Food and Drugs administration representative puts it in the same class with aspirin, since the stimulant caffeine is its only active ingredient.

Harvard university has announced it will not accept absentee's excuses of fatigue and collapse if 'No-Doz' is a partial cause.

Electron Microscope Service Open

The School of chemical technology has just received an offer of future electron microscope service from Oliver Rowe, NDAC '37, who is now electron microscopist with the Engineering Experiment Station, University of Washington at Seattle, according to Dr. R. E. Dunbar, Dean.

Any faculty member or graduate student in Chemistry will be able to obtain such photographs of re-

search materials or products promptly.

Rowe suggests that such substances as paint pigments, ceramic materials, clays, catalysts, dusts, soaps, smokes, colloids, lignite structures, cellulose, wool, and other similar materials, are good for electron microscope observation, while electron diffraction patterns are a valuable aid in determining crystal structure, especially of thin layers.

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