

ELECTION SPECIAL

spectrum

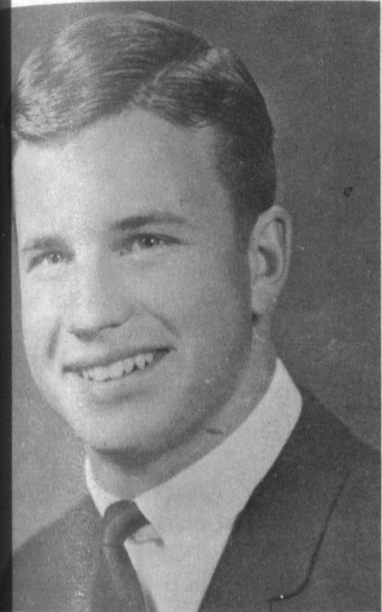
North Dakota State University
Vol. LXXXV, No. 20 Fargo, North Dakota February 12, 1970

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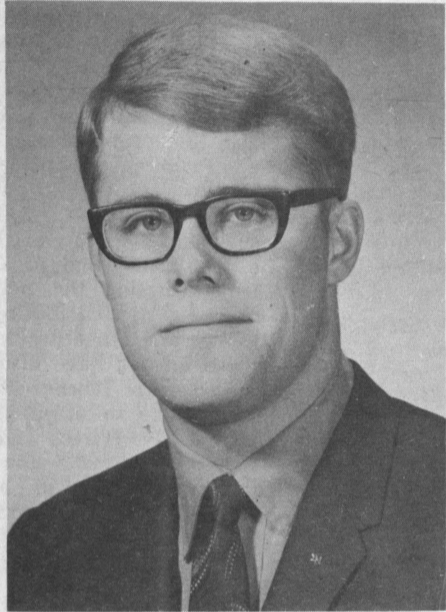
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Presidential-Vice Presidential Tickets

STAN DARDIS — TERRY NYGAARD

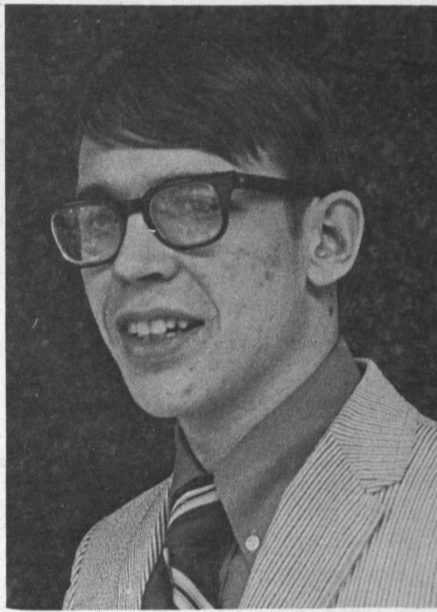


Dardis



Nygaard

AL SCHROEDER — RENEE SELIG



Schroeder



Selig

Promises which cannot be kept are easy to make, but they profit no one. Since student government should be worthwhile, we will make to empty promises.

Threats are easy to levy, but they need only lack of cooperation. Since we need to work united with other forms of University government, we will issue reckless threats.

Agitation and protests which are not needed to meet real abuses are insinuated. We will turn to such one-sided action only if and when dialogue, in two-way communication, fails.

It would be easy to cry "crisis," but NDSU is not a scene of catastrophe. We will not claim to be Adam and Eve in the Garden of Thorns seeking an Eden through reformation. Student governments before us have done good work. A good beginning has been made. We want to continue in that direction.

There have always been problems. There are some now. No matter who is elected, there will be some in the future. Any candidate pretending to eradicate all problems would be fraudulent. All we promise to do is work on the problems they come along, involving everyone concerned, and finding solutions together.

Since it takes more skill and intelligence to construct than to wreck, we will take the harder road, but we intend to build! If others want to promote uprooting, destroying, agitating and tearing down, let them.

We seek the role of government as providing talent and training; an idiot can tear things down, but he often buries himself in the rubble.

We want to develop PRIDE in our student body and in its government.

Purpose must be apparent in everything we do, to improve SU's academic atmosphere, its library, its teaching staff, academic freedom; to obtain better representation at the departmental level; to encourage mature discussion where we only state clearly what we want, but listen to what others seek also; to promote better, practical and easy communication among all members of the university community.

Representation of students on all administrative levels will be encouraged.

We want to know what is going on, and we want others to know what we are doing. We will seek to add our views to those of other interested groups in the planning of a satellite union near the new high rise dorms, of a 4-H and SU addition to the Union, of a better traffic pattern with crosswalks, of improved facilities for all phases of married student life.

Interest is often hard to arouse, but we feel SU's student body will be interested if what its government does is realistic and practical. We seek an improved Judicial Board system on a campus-wide basis as an appeals board. We seek a more effective Tri-College arrangement, with a common calendar. Programs of this calibre affect all of us in the student body.

Dynamic people will become involved if we have responsible government. They do not run around in circles very willingly, but they will join in a common effort to pull together for progress at SU. We want to involve anyone on the campus who can help us secure a better, more profitable life.

Emphasis on individuals is our keynote. We will put all the pressure on the welfare of the people on campus, so that this is not our government, but your government. It is the government of the student body to which we all belong, married or single, graduate or undergraduate, on or off campus, Greek or Independent. We will strive to have our administration reflect the total constituency.

If we can bring this kind of government to the campus, we will all have PRIDE in our student body and in its administration branch. SU is the school of our choice; it is a good place, and we believe in its power to become better. Our goal is to nudge it along, and to coordinate the efforts of all its students in that direction.

We will not tear down anyone or anything; we will build for ourselves and for future students. We will listen to you and use all our resources to make your voices heard. If you want a University of which you can be ever more proud, help us being an administration geared to insure PRIDE.

Words say much, but accomplish little by themselves. It is to deeds and accomplishments that we must look if we are to judge the motivations behind words.

We have, over the past year, accomplished many things for the students of the University. In the future, we hope to accomplish more. But to do so, it will take your help and your votes if student government is to go forward.

The past year has brought many changes. Students on University Senate and committees, reevaluation of the 4-H addition to the Union, greater participation by the student government in budgeting student money, and a proposal to establish an effective University judicial system.

We have had an active part in each of these proposals. Our attitude toward each of these measures has been one of forward progress for the University.

It is this attitude we will carry to the offices of student president and vice president.

But what does all this mean to you — you the students of NDSU?

First of all, it means a great deal to your pocketbooks. Each of you pays \$81 per year in the Student Activity Fee. It is the responsibility of the Student Government to insure that your money is spent for maximum benefit at minimum cost. Your tickets to athletic events, plays, lyceums, your campus newspaper and annual, your organizational trips, your student Union and virtually all your non-academic activities are things you pay for.

Our background, including work with the Student Senate, Finance Commission and the Student Activities Board, uniquely qualifies us to make sound judgments about where your money should go. This broad background is something no other slate of candidates can offer you.

Second, the very quality of your education is affected.

Educational reform at SU is speeding in pace. Students are asking for and getting many changes in the traditional way of doing things.

In order to gain such changes, it is necessary that your representatives know not only the people to deal with, but how to deal with them.

In our work over the past year, we have been involved in a great many issues which have placed us in close cooperation with members of the University administration. They know us and we know them. A working relationship has been established which will enable us to give your views a better chance of favorable action. Experience on the curriculum committee gives us an insight into the educational problems of this University.

There are other considerations.

A wide range of experiences should be brought to the offices of president and vice president. We offer the best balanced ticket in the campaign, both academically and socially. Our activities have taken us into many aspects of student life, from agricultural honoraries to the debate society and from the Concert Choir to the Spectrum staff.

We have, with this wide range of experiences, a keener insight into the day to day activities of the students of this University.

But all this means nothing, unless you, the students of SU, care enough to aid us in making this University a better educational institution.

There are difficult things yet to be accomplished. We seek them. But it is not something we can do alone. Your help and support will aid us in striving toward a better NDSU.

We are up for the challenge. Are you?

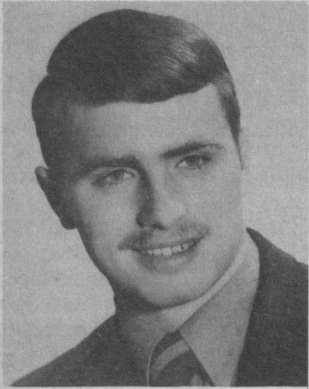
SENATORIAL CANDIDATES BY DISTRICT

ACADEMIC INTEREST AREA

(vote for one candidate)

AGRICULTURE

Richard Frith



There is a definite need at NDSU for a better and more practical teacher evaluation. The evaluation should be used to help poor instructors improve, promote good instructors and to help students select courses. To accomplish this, the evaluation results should be available at least in limited form.

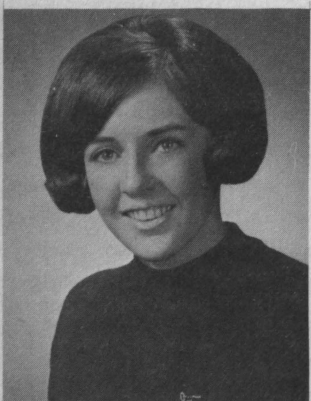
The students holding food and dorm contracts should have more leniency toward breaking such contracts. The student should be able to break his contract at the end of the quarter if he desires.

The proposed 4-H Center addition to the Union should be studied further before student funds are committed. The next Student Senate will have considerable power in deciding where this center should be built.

There is also a definite need for an evaluation of the content of the university student newspaper. More student activities and events should be included in the Spectrum.

ARTS AND SCIENCES

Nancy Johnson



Student voice in teacher evaluation, re-examination of exam week, communication between students and teachers, these are the things that are presently happening in Arts and Sciences. I am not running on a new or popular platform, much of what needs to be done within A&S is already in the making. I seek to continue what good has been started and add new and fresh ideas for future improvement.

Being enrolled in the college and having one year of student government behind me, I feel that I possess the needed qualifications. I have worked in various government committees and was on the A&S Student Policy and Planning Committee last year. I would hope that if I were ever to be arrested for being on Student Government that they would have more than enough evidence to convict me. Active participation is what government needs and what I wish to contribute, if elected.

Dianne Krogh



Education is the function from which one builds his future. The quality of this education is of primary importance in the rapidly changing idea of knowledge in our college today.

The present programs within Arts and Sciences are designated to facilitate communication between students, faculty and administration. It is necessary that there always be this open channel of communications presenting new ideas. I am concerned with the quality of education being offered.

It is with these interests in mind as a candidate for senator from the College of Arts and Sciences that I bring to your attention the following resolutions:

1. Mandatory class attendance be discontinued.
2. Final examinations be left to the discretion of the instructor.
3. Required physical education courses 101, 102 and 103 be changed to activity courses, such as tennis, swimming, bowling, etc.
4. The teacher evaluation is valid and should be carried out.

CHEMISTRY AND PHYSICS

Steven Hayne

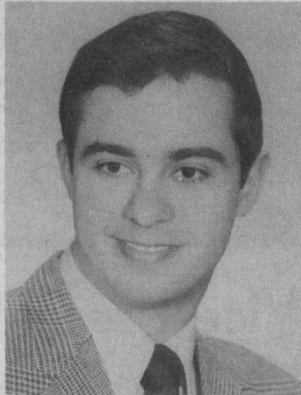


Though running for the office of Senator from Chemistry and Physics, I shall endeavor to represent all students of this campus. Also, it is my fundamental belief that all students should have a more significant role in determining the major decisions affecting us. This outlook acknowledges the responsibility, intelligence and leadership shown by the overwhelming majority of students.

The most serious issue facing this campus is the sometimes apathetic outlook of many students. This is your opportunity to affect change. Vote for change!

ENGINEERING AND ARCHITECTURE

Bob Bushey

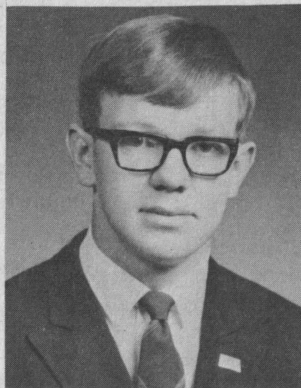


The issues of instructor evaluation and pass-fail are going to be very important in the near future for engineers and architects at NDSU. The Engineering and Architecture college should take advantage of the opportunities which are opened through instructor evaluation. This area could be used very effectively to improve both the students and the instructors.

Engineering and Architecture students should and will influence comprehensive campus planning. An example of this is the proposed 4-H center.

I am for the study and development of these different areas because of the improvement of the Engineering and Architecture students as professionals and as individual persons.

Lee Ormiston



- I advocate:
1. that class attendance should not be made mandatory.
 2. an extension of library hours.
 3. more adequate student seating at Dacotah Field.
 4. A revision of women student housing rules.

HOME ECONOMICS

Linda Noecker



The college of home economics needs a senator who is willing to work with both faculty and students. She is a very important communication link within the college. Having already been a senator, I consider the experience I have had a valuable asset to my qualifications for senator from this district.

More student representation is a recent trend in home economics

at SU. I would continue to try to place students on committees, because I feel this is important to the effective functioning of the college. Problems that arise can be more efficiently dealt with if there is a sound basis of communication and representation within the college. These would be my primary goals as a student senator to help me in the effective representation of this district.

PHARMACY

Jim Crane

I am running for re-election to the Student Senate from the College of Pharmacy district. This past year I served on two Faculty Senate committees, Scheduling and Registration, and the Campus Planning committee. Because of my work with these committees I have been involved with such things as the 4-H Union addition, traffic and parking problems, revising the policies and practices of distributing quarter grades and other problems along these lines. I have also been involved with Teacher Evaluation.

In order to effectively finish what I have started and continue representing my fellow students from the College of Pharmacy, I am asking them to support me in my bid for re-election.

RESIDENTIAL INTEREST AREA

(vote for one candidate)

BURGUM

Patsy Bredwick

- I advocate:
1. continued work on SU 75.
 2. continued work on scheduling and registration.
 3. work on NSBA follow-up.
 4. work on a no-hours program instead of an extended-hours program.

Mary Joe Deutsch



Senate 1970 has extensive potential for initiation of creative academic, residential and economic reform.

Possible revisions include creation of a student advisory board for the Varsity Mart, extension of pass-fail to include labs, abolishment of attendance grading and publication of teacher evaluations.

A work-credit course series should be instituted for students who do volunteer or salaried work in areas related to their major, and women's physical education requirements could be cut. Food contracts for ten meals weekly can be made optional for all dorms.

In an aware Senate, a growing Tri-college program, the 4-H Union addition, intramurals and University Senate will be issues of vital concern. Registration procedures and election procedures re-

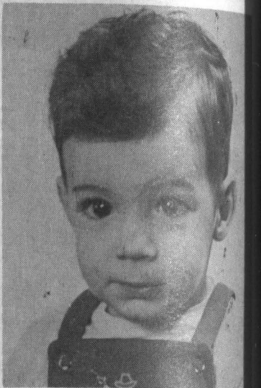
quire immediate attention.

The issues are endless. Needless to say, the possibilities for campus reform are limitless.

Help support another struggling young activist.

CERES

David Deutsch



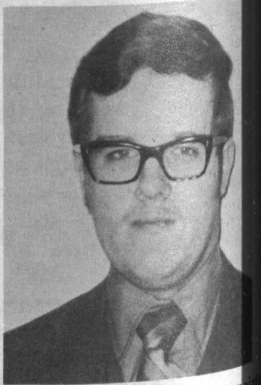
A senator for the past year have attempted to fill the position with the interest, energy and integrity it deserves. There remain things to be done.

Big things: Establish the getting of student funds by student government while cutting back University athletics' \$100,000 slice. Disassociate 4-H expansion from the student Union, bring funds for expansion of Union facilities farther north. Finally establish the student representation on the State Board of Higher Education. Help expand facilities and functions of Tri-college University.

Smaller things, but important: Vastly expand the intramural system to include a wide range of competitive and recreation activities. Ease student traffic and parking regulations. Mail messages to students. Establish a shuttle transportation on campus to eliminate useless fees. Issue student ID cards. Complete and publish teacher evaluation. Re-establish district voting.

CHURCHILL

Richard Butts



I think there are a few problems which have been overlooked by past Senates which should be remedied. I believe that pass-fail should be liberalized so a student can take any course out of any major field from sophomore on up.

Sophomore or older girls should be able to live off campus with parents' permission. The new Fieldhouse should be opened as much as possible when completed. The new Fieldhouse should be available for com-

Election Procedures Are Amended Again

a reversal of last week's action, the Student Senate last Sunday amended voting procedures to give each student two votes. One vote would be one each in areas of academic interest and residential interest.

This means a student may vote in any one college and once in any one residential district. Proposed by Senator Jim Zehren, the motion passed by a 16-2 vote.

Teacher evaluation was discussed at length, with expert testimony from faculty and Education-Development Committee members.

Present plans call for a trial program of evaluation to be run next quarter. Results of this evaluation will be sent to individual instructors and the committee. The committee will know the names of the evaluated instructors.

According to Dr. Donald Schwartz, chairman of Social and Behavioral Sciences, this will allow the committee to evaluate the effectiveness of the trial program, which will then be expanded.

An evaluation questionnaire from Purdue University will be the instrument used in the evaluation, according to Schwartz. This form will cost the University about \$600 each quarter it is used. From this, according to Schwartz, an evaluation form unique to NDSU will be developed.

From the discussion, it is evident that the main problem facing teacher evaluation is whether or not to publish the results, and if the results are printed, what form they should take.

Student President Butch Molm gave a lengthy account of a proposal he placed before the committee. This proposal involves publishing the top one-third of the teachers evaluated. This, according to Molm, would allow students to know the good teachers and would also give lower ranked instructors something to strive for.

Student Senate action on the report included motions to make the trial results available to deans and department chairmen, to publish the top 30 per cent of the evaluated instructors, and to establish a continuing program.

SU Pollution Study Called

A study of the NDSU smokestack possible air pollution has been requested by President L. D. Berggard. The request was sent last week to W. Van Heuveln, executive officer of the state health department.

In these times of public comment to environmental quality, it seems especially hypocritical to some people that a state institution might itself be contributing to the degradation of our physical surroundings," said Lofts in the request.

The president reported he was taking the action to ensure that the discussions about the smokestack would be based on fact. He was hopeful that if any substantial amount of pollution were occurring it could be brought to the attention of university officials and corrective steps could be taken.

He asked that the investigation be conducted as soon as possible, and hoped that it would not be unduly delayed because of additional clarification being sought from North Dakota's recently enacted Air Pollution Control Act.

In addition to the official all-University evaluation, the College of Arts and Sciences will sponsor a completely separate evaluation, according to Senator Mark Voeller.

"This evaluation will not be used for hiring and firing teachers," said Voeller, "only for instructional improvement."

Voeller emphasized that the A&S evaluation was a student evaluation, but with the support of the A&S faculty and administration.

"Why is Arts and Sciences separating itself, using separate evaluations committees and other legislative bodies?" inquired Zehren.

"Because we don't agree that there should be an evaluation unless it is used only for instructional improvement," answered Voeller.

Discussion then focused on the funding of the special A&S evaluation. Voeller said that student funds should be used to support the A&S effort.

"We're supporting the University-wide evaluation," said Molm, "and I do not believe we can justifiably support the Arts and Sciences evaluation as well."

After Voeller countered that the A&S evaluation was a student effort, and therefore student funds should be used, Molm pointed out that previous student evaluation attempts had failed. Lack of coordination and professional backing was given as the main reason for the failure.

Senator Al Schroeder asked Schwartz where the \$600 for the University-wide evaluation was coming from. Schwartz answered that the academic affairs vice president said the money would be found. "We will get the money some way or other," said Schwartz.

No definite action was taken on the A&S evaluation proposal.

In a move to clarify appointment procedures for the Student Activities Board Commissioner, Molm requested the Senate to change the rules, allowing the chairmen of the SAB committees the right to elect their own president, who also serves as SAB commissioner.

"The SAB committee chairmen would not like to work for someone whom they did not elect," said Renee Selig, past vice president of SAB. As the rule formerly read, the SAB commissioner could be appointed without the consent of the SAB committee chairmen. The rule change was passed.

Voeller introduced a resolution voicing Student Senate support for the 4-H program. "This resolution is being made only to emphasize to the 4-H Foundation that we are not opposed to their being here on campus," said Voeller. Concern had been expressed that previous action on the 4-H addition might be construed as voicing a feeling against the 4-H. The resolution was approved.

Senator Al Schroeder proposed an all-University judicial system which, he explained, would provide a system of appeals within present judicial organizations.

"We are trying to use the existing bodies and form them into an appeals system," said Schroeder. "Presently, the only appeal of a judicial decision is directly to the Dean of Students."

Schroeder developed the plan in cooperation with Richard Crockett, part-time lawyer for the Dean of Students office. No action was taken since the move was primarily informative.

Other senate action included recognition of the Students for Environmental Defense and discussion of several minor motions.

spectrum

n o r t h d a k o t a s t a t e u n i v e r s i t y

Vol. LXXXV, No. 20 Fargo, North Dakota February 12, 1970

Catherine Cater Receives Annual Blue Key Dr. Of Service Award



Dr. Catherine A. Cater

Dr. Catherine A. Cater, professor of English, has been named the recipient of the Doctor of Service Award for 1970. The award is made by the men of Blue Key National Honor Fraternity. Dr. Cater is the 36th NDSU faculty member to receive the award.

Announcement of the honor was made yesterday at the annual Blue Key banquet in the Union

Ballroom. Over 150 faculty members, administrators and wives attended the function.

Schroeder Outstanding Junior

Alan C. Schroeder has been named the outstanding junior man at NDSU by the men of Blue Key Honor Fraternity. Schroeder received the Donald G. Bischoff award during ceremonies at the Doctor of Service banquet held last night in the Union ballroom.

The award is named after a former SU Blue Key president who was killed in a plane crash

while serving in the armed forces.

Ronald G. Banks received the Father Durkin Memorial Scholarship award. This is awarded to the outstanding male student at SU on the basis of "Christian character and leadership as exemplified by the late Father Durkin."

The Master Freshman award was presented to Rodney Krogh. This award denotes the freshman man with the highest overall GPA for the first two quarters of the year.

Mary K. Opheim was awarded the Speech and Drama scholarship. John Mickelson won the Music scholarship, and Dan E. Brekke was awarded the Upward Bound scholarship.

The scholarships are funded by investments made by Blue Key. Funds for these and other service projects are acquired by producing the spring musical.

Blue Key Taps

Blue Key National Honor Fraternity tapped 10 new members Monday.

They are Alan Schroeder, Greg Post, Roger Dittus, Mike Kreuger, Thomas Peterson, Gene Jackson, David Rogness, Orville Jonsrud, David Deutsch and Roger Kenner.

The newly tapped men will be initiated at a later date.

No Results To Be Published

Winter Teacher Evaluation Planned

A pilot teacher evaluation project will be implemented for Winter Quarter 1970, according to the recommendations of the student-faculty sub-committee on teacher evaluation.

The initial program will utilize the instruments and statistics compiled by Purdue University, and will include under committee recommendations all instructors and all undergraduate courses with enrollments of 20 or more.

According to the recommendations of the sub-committee, all instructors in the above category

are "expected" to use the forms in their classes, and the recommendations request Faculty Senate approval of this procedure.

Furthermore, committee recommendations prohibit any publications of results for Winter Quarter 1970 and leave open possibilities for future publications. Anonymous results such as number of instruments completed, comparisons of NDSU with Purdue and percentage of instructors in certain percentiles will be made available for publications.

Recommendations ask the Vice

Chosen from the entire faculty and administrative staff, the award is based not only on the performance of normal duties, but for other services the recipient has freely given to the University and community.

James Zehren, Blue Key president, said in reference to the award, "There isn't any single requirement, but we do look for someone who has made a contribution over a long period of time — a person dedicated to the students and the University."

Dr. Cater, a native of New Orleans, received her B.A. from Tallegdega College and M.A. and Ph.D. from the University of Michigan. Besides doing post-doctoral studies at Kenyon College, Columbia University and the University of California, Berkeley, she has studied abroad in England, Ireland, France and Sweden.

Coordinator of the graduate English program at SU, Dr. Cater is also chairman of the Scholars Program, a new honors program on campus.

She has served on the Faculty Senate, was president of the local chapter of the American Association of University Professors (AAUP) and is presently a member of the AAUP state executive committee.

Dr. Cater holds membership in several professional associations. She is also a member of Delta Kappa Gamma, the American Association of University Women, and was elected an honorary member of Mortar Board at SU in 1968.

She has published many articles and reviews and has also written poetry included in an anthology used by many colleges in the United States.

In 1968, Dr. Cater and Delsie Holmquist, also a professor of English at SU, donated more than 1,000 books to the University library.

Last year's winner was Dr. Leo Hertel, chairman of the Modern Languages Department. Others honored since 1965 have been Dr. Frederick Walsh, Dean Arlon Hazen, Dr. Frederick Sands and Shubel D. Owen.

president for Academic Affairs office to handle the administration of the program and specify the offices of the deans of individual colleges as collection points for the data.

Student Senate Sunday evening recommended publication of an "honor roll" of at least the top 30 per cent, establishment of a continuing program rather than a trial program and distribution of the evaluation to deans and department heads. The remaining recommendations were adopted by Senate.

Teacher Evaluation Program Underway

by Steve Hayne

Prospects of a student evaluation of professors during winter quarter appear promising. Though dispute on publication of results continues, the Student-Faculty sub-committee unanimously passed a resolution to "carry out a campus-wide evaluation and have results ready in three weeks if feasible."

Student-Faculty sub-committee was charged by the Educational Development Committee to study advantages of a student evaluation of professors the sub-committee is under the direction of Dr. Donald Priebe. Curriculum evaluation will be started but will be kept separate and distinct from instructor evaluation.

There is a continuing fear of faculty pressure to halt the student evaluation. Student sub-committee member Duane Lillehaug stated, "I can name instructors who will thwart this program." Lillehaug also questioned the desirability of this committee under

Faculty Senate. At present, the sub-committee can only make recommendations to the Faculty Senate.

Lillehaug declared that bureaucracy is slowing down the committee. While decrying a lack of leadership, Lillehaug stated, "We must take the initiative in establishing a responsible system."

Though calling for a trial evaluation in the spring quarter, Dr. Robert Koob moved for no publication of winter results. This motion was passed. The Committee decided to give "no names, just numbers."

Bonita Helm stated the Committee has not "really told the students what is going on. If we do not get results, students will get frustrated."

Dr. Donald Schwartz of the Educational Development Committee declared the cost of the program would be \$650. Schwartz noted the "copywrite cost is 2c per scored questionnaire."

The Committee, declared Priebe, must find a base in an office. To correct this the Committee moved to let the Academic Vice President handle the logistics of obtaining a quantity of forms.

Dr. Patricia Murphy moved to publish an honor roll of top twenty per cent of the faculty. An honor roll would provide a form of reward and recognition.

Student Election Candidates Are Listed

Filing for student government elections ended at 5 p.m. Monday. The following list of candidates have filed for election:

SBP — Alan Schroeder, junior in agriculture.

Stan Dardis, junior in agriculture

John Haukness, junior in A&S

SBVP — Terry Nygaard, junior in agriculture.

Renee Selig, junior in A&S

William Klein, junior in agriculture

BOSP — Duane Lillehaug

John Krogstad

Sandy Scheel

David Olson

James Kampert

Duane Flinn

Senate:

Agriculture
Richard Frith

Arts & Sciences
Nancy Johnson
Dianne Krogh
James Hector

Chemistry & Physics
Steven Hayne

Engineering & Architecture
Bob Bushey
Lee Ormiston
Jeff Miller

Home Economics
Linda Noecker

Pharmacy
James Crane

Burgum Hall
Patsy Bredwick
Mary Joe Deutsch

Ceres Hall
David Deutsch

Churchill Hall
Dan McDermott
Richard Butts
Horst Winderlich
David Fedora

Dinan Hall
Loretta Olienyk

Fraternity District
Roger Dittus
Tim Beaton

Johnson Hall
Ken Frey
Alan Levin

Married Students
Kimble Osteros

Mobile (Heringer) Hall
Jennifer Innes
Robert Holm

North Weible
No Candidate

Off Campus
James Deutsch
Ted Christianson
Jeff Gehrke
Betsy Heller
Don Hanson
Michael Maasjo
Tom Bang

Reed Hall
Daryl Doyle
Joel Galt
Robert Wilmot

Sevrinson Hall
Jack Dietz
Don Longmuir

Sorority District
Cheryl Bean
Karla Laine

South Weible
Maureen Gallagher
Kristin Thompson

Stockbridge
David Grant
Thomas Smail
Wes Rogers

Thompson Hall
Kathy Dietz
Sherry Anderson

MSA Endorses Osteros

Kim Osteros received unanimous endorsement for Student Senate by the Married Students Association (MSA) Monday night.

Osteros told the MSA councilmen he felt it would be his responsibility as Married Student Senator to represent the interests of married students to the Senate and the University. "I will attend as many MSA meetings and meet with as many married students as possible for a better understanding of their needs and opinions."

When asked how he could best

serve married students Osteros replied, "as senator I would be responsible to the married students, but I would have even a larger responsibility to the University. I can't see how an action which doesn't help the University or is detrimental to it can possibly help the student in the long run."

The council also endorsed Al Schroeder and Renee Selig for president and vice president. The Schroeder-Selig presidential ticket was the only one to appear before the council.

Third Slate Files For Presidential Race

In a last-minute move Monday, John Haukness and William Klein filed for student president and vice president. Haukness and Klein are members of a group calling themselves "GDIs."

"There will be no rigid platform," said Haukness. "It will be a flexible and open organization."

Haukness said systems are not relevant tomorrow because things change. He said that for the presidency to be relevant to students, it must be without a platform or rules — without formal structure.

Haukness feels that it is the present system of student government which is defeating.

"The present elected adminis-

tration is one of Rosencrantz and Guildenstern — two men who were killed by the system they tried to solve.

"Butch is a very nice trying

Haukness Announces SBP Candidacy

John Malcome Haukness am I. I am running on my body not a physical campaign but a germination. The seed has been planted elsewhere and we are sprouting.

We will win when the tide comes in, the tide is in sight, and we will forecast the sight.

NDSU is a stagnate community which can be corrected by the oncoming emotionalism that is sweeping the colleges across the nations. Our sister G.D.I. houses in other campuses have already run successful campaigns in various phases of college life, the presidential election here can be an addition to the trends of the western and eastern universities.

My platform is open, open. Tomorrow may reject the system we hold today: in other words we are trying to create a flexible system that can cope with the political environment here at NDSU.

There will be no rigid platform. It will be a flexible and open organization. Student determination is our motivation.

We submit the following resolutions to the student body:

guy," said Haukness, "but he doesn't perceive that the system is immune to him. He has made our government too damned boring for anyone to become inter-

ested." Haukness believes that government should have more power. "Not power inside the system, power any way you can get it."

- A flexible framework
- Removal of ROTC from college curriculums
- Universal pass-fail system
- Abolishment of hours for girls
- Coeducational dorms
- Creation of an anti-establishment administration

- Centralized tunnels from strategic points
- One parking sticker for lots
- A food service that is not compulsory for the High Rise
- What it all boils down to: unattached student involvement



Herbst

THE LOOK OF '70! by Act III

Get in the act with these all new, colorful red, white and navy coordinates. 100% textured dacron polyester. Button front sleeveless vest, \$28. Pants, \$20. Pleated skirt, \$22. Blouse, \$22.

THE PLACE Second Floor

Princess
DIAMOND RINGS

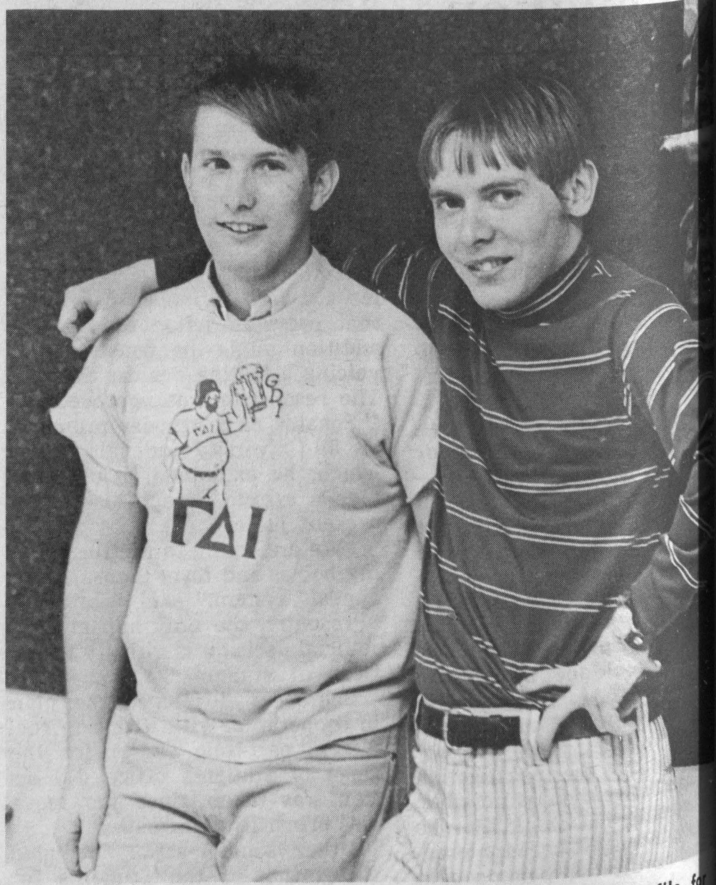
NEUBARTH'S
JEWELRY

The City Hall is across the street
Moorhead

MINDS OF THEIR OWN

Schroeder

-- Selig



John Haukness and William Klein latest students to file for student president and vice president. (Photo by Bakke)

Religion, Immorality Talks Set



Dr. Dallas M. High

Language" in the concluding lecture of the series.

He earned his B.A. at Ohio Wesleyan University in 1956, his B.D. at Yale University in 1959, and his Ph.D. at Duke University in 1965. From 1956 to 1964 he was a Danforth Graduate Fellow, and has done research through grants from Hiram College and the National Humanities Foundation.

His book, "Language, Persons and Belief," was published by Oxford University Press in 1967, and he was editor of a second book, "New Essays on Religious Language" in 1969.

The Tri-College Philosophy of Religion series has been jointly organized through the philosophy departments at SU, MSC and Concordia, and has been financed through a National Endowment for the Humanities Grant received by Dr. Jovan Brkic, professor of philosophy at SU.

Dr. Warren Smerud, associate professor and Chairman of the Department of Philosophy at Concordia College, will talk about "Immorality" during an 8 p.m. lecture following the talk by High.

Lecturer To Discuss Mid East Crisis

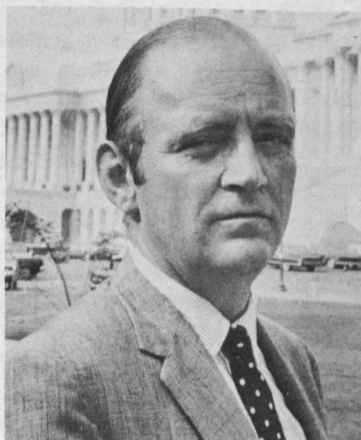
The London Sunday Telegraph's senior correspondent in Washington, D.C., will talk about the "Arab-Israeli Crisis" at 9:30 a.m. Tuesday, Feb. 17, in Festival Hall at NDSU. The lecture is open to the public at no charge.

Stephen Barber has circled the world twice in the past 24 months, visiting familiar trouble spots from the Middle East to Viet Nam, as well as Russia, Canada, Santo Domingo and Cuba. He has reported critical events in Morocco, Algeria, Cyprus, Egypt, the Congo and elsewhere in Africa.

Barber covered the Greek Civil War, the Palestine "troubles," operations in Malaya and Kenya, and was with the first contingent of British troops to reach Korea.

He has accompanied Queen Elizabeth on Royal Tours of three countries and Mrs. Jacqueline Kennedy on two similar tours. In America he witnessed the death of President John F. Kennedy, and the assassination of Lee Harvey Oswald by Jack Ruby.

Besides writing for the Telegraph, Barber has contributed to such U.S. Publications as the New York Herald-Tribune, the New Republic and others. He has also taken part in many television forum shows and broadcasts on NBC, the BBC and the Canadian Broadcasting Company.



Stephen Barber

As assistant Editor of the London News Chronical, before he joined the Telegraph group, he

toured Asia, Australia and Africa with Britain's former Prime Minister, Harold Macmillan in 1959 and 1960. He is equally at home taking an elephant across the Alps in Hannibal's footsteps, gossiping with stars like Richard Burton and Elizabeth Taylor, gamblers in the Bahamas, or in finding humor on Capitol Hill.

Based in Washington, D.C., since 1963, Barber regularly covers all aspects of the American scene for his two million readers. His SU appearance is sponsored by the University Public Events Committee.

EID-UL-ZUHA

Muslim Student Association is having EID-UL-ZUHA Prayers at United Campus Center on Feb. 16 at 9 a.m.

A get-together party will be held at UCC on Feb. 15 at 7 p.m. Members bringing some kind of a dish will be welcome. (Call Mohammed-Ilyas Tunio for further information if desired.)

HISTORY CLUB

History Club will meet tonight in Room 203, Union, to discuss the round-trip to Europe for \$265. Mr. Horvik of Horvik's Travel Agency will be main speaker.

Weekly CALENDAR

THURSDAY, FEB. 12

7:30 p.m. SAB Film — Ballroom, Union
8:15 p.m. Lyceum Program: CAMERATA CHORALE — Festival Hall
8:15 p.m. Theatre Production: **Our Town** — Center for the Arts Auditorium, MSC

FRIDAY, FEB. 13

2:00 p.m. Wrestling: SU vs. USD — Fieldhouse
7:30 p.m. Basketball: SU vs. USD — Fieldhouse
8:15 p.m. Theatre Production: **Our Town** — Center for the Arts Auditorium, MSC
Kinetic Art Series — Stevens Auditorium

SATURDAY, FEB. 14

1:15 p.m. Theater Production Matinee: **Our Town** — Center for the Arts Auditorium, MSC
2:00 p.m. Wrestling: SU vs. Morningside — Fieldhouse
7:30 p.m. Basketball: SU vs. Morningside College — Fieldhouse
8:15 p.m. Theatre Production: **Our Town** — Center for the Arts Auditorium, MSC

SUNDAY, FEB. 15

1:30 p.m. &
5:00 p.m. &
8:00 p.m. SAB Film — Ballroom, Union
8:15 p.m. Concert: Wind Ensemble — Festival Hall

MONDAY, FEB. 16

7:00 p.m. Tri-College Religion Philosophy Series, Dr. Dallas High — Room 219, Minard

TUESDAY, FEB. 17

9:30 a.m. Public Events Lecture: STEPHAN BARBER — Festival Hall
7:30 p.m. Basketball: SU vs. MSC — Fieldhouse
8:00 p.m. Gallery talk ROBERT NELSON — Alumni Lounge, Union

THURSDAY, FEB. 19

7:30 p.m. SOB Film — Ballroom, Union

European Trip Planned

A European Summer Charter is being organized for interested NDSU students, according to George Smith, Union director.

Dates of the summer trips are May 29 to June 30. Cost of round-trip tickets from Fargo to Oslo, Norway and Bergen, Norway to Fargo is \$220.

Originally, according to Smith, the History Club was sponsoring a trip during midsummer at a higher cost. He said the History Club is now joining forces with the May 29 group for the summer charter.

Further information on the trip, which leaves Fargo Commencement Day, is available in the Union director's office.

SPRING SUPPLEMENT

Students who were enrolled at NDSU during spring quarter last year (1969) are entitled to a copy of the Spring Supplement to the Bison Annual. Copies are available in the Annual and Spectrum offices on the top floor of the Union.



STEVENS HAYNE

CHEMISTRY & PHYSICS SENATOR

PLACEMENT NOTICES

Monday, Feb. 16
Washington Electric Corporation — research, design, development, test-field engineering, manufacture and testing. Citizenship.
Mullerberger Well Services - Houston — Engineering grads. Citizen of U.S. Canada.
Tuesday, Feb. 16 & 17
College of Pharmacy — Grads will interview reps from drug industry. Prep sheets in Sudro, interviews in Ballroom.
Wednesday, Feb. 17
Drug — Bus Econ grads for positions. Also for corporate Company.
Armel Food Products — Austin, Livestock buying, sales, industrial engineering, plant engineering, quality control. Citizen.
Electric Machinery Company - Mpls. Electric power apparatus. Engineering grads. Citizen.
City of Milwaukee — Engineering grads. Citizen.
Thursday, Feb. 18
Chemical Abstracts Service — (div CS) — All degree levels for chem-computer scientists and library assistants.
Northern Illinois Gas — Econ., and eng grads. Citizen.
North Dakota State Highway Department — C.E. grads.

Wednesday & Thursday, Feb. 18 & 19
Bell Telephone Systems — Management training. Accounting, engineering, plant operation, marketing and traffic. Science and engineering grads.
Thursday, Feb. 19
U.S. Naval Ship Systems Command — Federal employment to EE and ME grads. Citizen.
Northern States Power Company — Mpls. — Engineering grads.
Pacific Gas and Electric, San Francisco — On-the-job training for engineering grads.
Friday, Feb. 20
City of Los Angeles — CE grads for public works. Citizen.
Universal Electric, Owasso, Mich. — EE grads for sales and manufacturing engineering. Citizen.
Xerox, Rochester, NY — ME grads at all degree levels. Citizenship or perm visa.

MEET ALL THE GANG

AT



North University Drive at 19th Ave.
Open Weekdays 11 A.M. to 11 P.M.
Open Friday & Saturday till 1 A.M.



You're A Good Man, Schroeder



Vote!

SCHROEDER - SELIG



Minds Of Their Own

During the past year, this paper has carefully observed and worked with the Student Government. On occasion we have disagreed with them, but on many more occasions we have agreed. We strongly feel that student government is the single most important organization and force on the NDSU campus.

THIS WEEK'S EDITORIAL

Last year Butch Molm and Terry Grimm promised the students "A New Direction" in student government. We got it. For the first time ever, student government became intimately involved in the affairs of this university. On all levels, administrative and faculty both,

the student government has made its voice heard and the voice has been heeded.

The question facing us now is what direction will student government take? Will it continue forward under dynamic leadership, or will it revert to its position of several years ago?

A look at the candidates provides some insights. Who are the people this year most noted for battling hard, not merely in defense of student rights, but for their extension? Who have been on the Faculty Senate committees, the all-University organizations, the organizations most closely connected with student activities?

The answer? Al Schroeder and Renee Selig.

While the other candidates are certainly fine men, and it is to their credit that they feel strongly enough to run for the posts, it is Schroeder and Miss Selig who have established themselves as the real battlers this year.

Those who have attended the Student Senate meetings know it has been Al Schroeder who could be counted on for the rational approach to a problem.

Those familiar with the 4-H addition question know it was totally Renee Selig who fought for and won a complete reevaluation of the project.

Neither Schroeder nor Miss Selig belong to any group which could bring undue pressure to bear on them. Neither has shown any prejudice in making their decisions this year.

Neither has promised jobs or made deals for support with other campus groups. They would not do so, even if they were in a position to make such deals.

Both have shown themselves to be rational and firm in their dealings with other groups in the university community. Both have shown time after time that they have the best interests of all the students at heart.

It is for these reasons that the Spectrum urges a vote for Al Schroeder and Renee Selig for Student President and Vice President.

Senate Candidates Recognized

Unlike past years when the Spectrum has not made much of the Senatorial campaigns, this year the paper has chosen to publicize the senators as well as the executives.

Certain individuals stand out and deserve recognition for their efforts. Certain individuals would make fine senators, if only there were ways to make a choice.

It is in the hope that the next Student Senate will be better than this one and that the upward trend will continue, that we make the following recommendations.

These are made without regard to college or district, simply to point out noteworthy candidates for election.

Ted Christianson — Off-Campus

Jim Crane — Pharmacy

Steven Hayne — Chemistry

Jim Deutsch — Off-Campus

Mary Joe Deutsch — Burgum Hall

Dave Deutsch — Ceres Hall

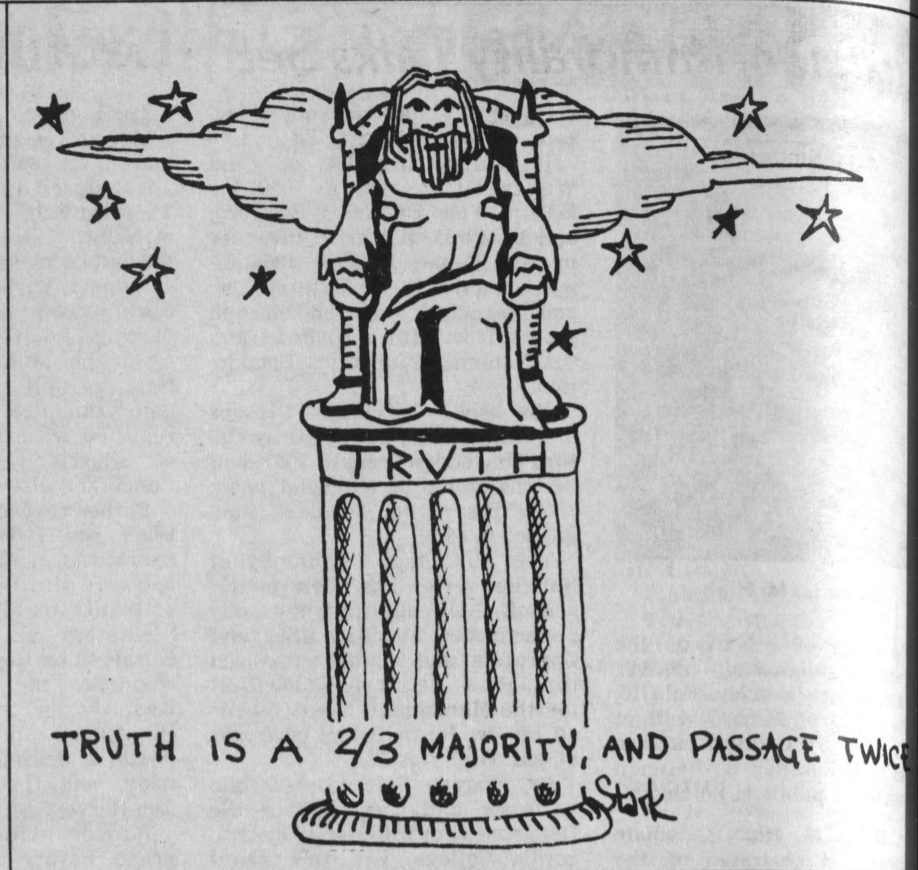
(On occasion, a whole lot of talent is found in one family, rather like the Bach family of musical note. The Deutschs are good — all of them)

Roger Dittus — Fraternity

Kimble Osteros — Married Students

Dianne Krogh — Arts and Sciences

While this list does not include all the names, nor does it include others who might be good senators, all those checked are outstanding, and we urge the NDSU student body to give them consideration.



Ramped Sidewalks Proposed

Circle K has started a fund raising drive on campus for the purpose of slanting sidewalks as an aid to the handicapped. It is felt these slanted sidewalks would be of direct benefit to the University and a positive credit to all the students.

With an increased enrollment at NDSU there will be an increasing number of handicapped persons in attendance. These students have the same right to ease of access to buildings as any of us.

TO THE EDITOR

Because of short sightedness in the past, these students are presently forced to go out of their way in order to attend classes and campus functions.

Need we continue this short-sightedness? Just because we can step over a six-inch curb doesn't mean we can forget about the problems of the handicapped.

The estimated cost of removing the curb and present sidewalk, and replacing them with a slanted structure has been estimated from \$1 to \$1.30 per

square foot. A minimum ramp of 12 feet in length is recommended.

It can be longer depending on the location, so that the danger to students from slipping is almost non-existent. \$5,000 is necessary to do at least 25 or 30 sidewalks, not \$10,000 as reported in the Spectrum earlier.

Assume the sidewalks have a life span of 40 years. Is the investment of \$100 per year such a great sacrifice for us to undertake? Do we care about anyone but much?

This investment has its value not in the cost, but in what it accomplishes. The cost is very slight indeed when compared to its benefits.

If all of the students on this campus would care enough about these handicapped persons to give a dollar to the fund set up in the Dean of Men's office, these slanted sidewalks could be constructed.

Only 12 universities in the United States as of 1967 had made their campuses readily accessible to the handicapped. NDSU should be one of them! All of us should be concerned that it isn't.

Terry Gregoire

Spectator's Guide To Basketball

by Jim Holm

There are people on this campus who think basketball is a boring game. If this was so basketball wouldn't enjoy the world-wide popularity it has now. For those people who aren't enthused by NDSU basketball I offer these suggestions for spectating the game.

1. Come early. Authorities of the game have made the dunk shot or stuff illegal. Players still happily shoot this exciting shot, but only before the referees come up onto the floor.

Also, coming early gives you a chance to see the deep reserve in action. A player not expecting to get into the game must use this time to display his talents to the athletic director so his scholarship won't be cut.

2.) Sit in the middle on the east side. Here you have the best seat to observe Bud Belk's coaching. If this fails to amuse you, you don't need advice, you need a mortician.

3.) Bring a good book. With the quality of cheerleaders and the type of school spirit we have, you don't have to worry about being disturbed.

During the numerous interruptions, such as time-outs, half-time, substitutions, etc., you don't have to suffer the fate of being a captive audience of the ROTC drill team. If there are enough fouls called, you can read three or four

chapters without missing any of the playing time.

4.) Play your own games. A good game is trying to pick which hypocritical group can prostitute themselves the most in order to win the prize of prizes, the cheerleading trophy.

The Bali Hai theory of relativity offers a handy means to estimate who will win. Count the number of people in the group with bottles, flasks, wineskins, loaded cokes. Divide this number by four. If your derived answer is 7.3 or better the group will either win the trophy or a free trip to Dean Bentson's office.

Another game is "guess the substitute." Trying to guess who will go into the game next, or even who the incoming sub will relieve, is very challenging. Caution must be used as Coach Bentson goes to great lengths to make this frustrating game.

5.) Learn the intricacies of the game. One of these is putting two halves together. If the team has a good first half and a good second half, it has put the halves together. Don't feel too bad if the abstract notion eludes you. To determine whether or not you have put two halves together you must hire a coach.

6.) Memorize the Fargo Blazers schedule. If these suggestions don't work, the best what you need is a change of sport.

spectrum

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The Spectrum is published every Thursday during the school year except holidays vacations and examination periods, at Fargo, North Dakota, by the North Dakota State University Board of Publications, State University Station, Fargo North Dakota.

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Heringer Backs Schroeder-Selig

Placing students on Faculty Senate and Faculty Senate Committees has been the direction of this year's student government.

TO THE EDITOR

Students have been able to express their views on faculty committees and the faculty have responded favorably to the students on their committees.

Next year, it is hoped students will be placed on the Faculty Senate.

Students who are concerned about next year's student government would do well to look at the Student Body President and Student Body Vice President candidates in next week's campus elections. It is my opinion that we need an SBP and SBVP who have worked closely with

this year's Faculty Senate. There are of course many qualifications which the SBP and SBVP must possess, but of highest priority is the candidates' knowledge of Faculty Senate, and their ability to work with the Faculty Senate and its committees.

Al Schroeder's involvement with Faculty Senate and also being one of the most active senators makes him, in my opinion, the best choice we have for our next Student Body President.

His running mate, Renee Selig, has been working closely with the Union Board and was instrumental in establishing a reevaluation of the 4-H addition to insure a student representative voice in all decisions.

Schroeder and Selig have "minds of their own" and are the best choice for SBP and SBVP.

Wayne Heringer, Student Senator

New Eloquent Book Lauded

Looks like the SU Department of Social and Behavioral Sciences has gone big time. Seems that one of its tenure-laden political science professors has published his second major book. According to other members of his department, the fact that he published a work on the particular subject he chose is a first for a land-grant institution.

TO THE EDITOR

We can be sure that when the rest of the nation's political scientists hear of his achievement, he won't be with us much longer. It is difficult to keep such a prolific fellow in any one place very long.

The book itself is surprisingly unimposing in appearance but upon reading it, one finds the same rich rhetoric and eloquence that the professor uses in his classes. No doubt the book will sell well,

especially locally where the department has committed itself to his views and has made the book required reading in a large elementary political science course.

That the book is urgently related to course material is obvious. In this respect it closely parallels the professor's first book which he has used to great advantage in his own classes for the past few years.

The Department of Social and Behavioral Sciences again demonstrates its unerring ability to select objectively from the vast and ever-growing mountain of excellent professional literature only the best, most readable, pertinent and instructive works for its required course readings. Can there be doubt in anyone's mind about the quality of liberal arts education available at SU?

D. Wells

Jake Gust's Kindred Dam Statements Refuted

As one who has been "emotionally involved" in the Kindred Dam fiasco for some time, I would like to expose a few "half truths." These half truths are in reference to the "impartial" statements made by the West Fargo engineer "Jake" Gust in last week's Spectrum.

Mr. Gust has made one thing very clear in his statements. He has a great deal of faith in the Army Corps of Engineers (COE). Mr. Gust perhaps is not aware that the Bureau of the Budget has several people

TO THE EDITOR

spending their time to the examination of the COE's dubious cost-benefit ratios. They are the only federal agency which receives this special treatment.

Several books have been written on the "achievements" of the COE, (e.g. *America the Raped*, and *The Death of the Sweet Waters*. Their botch jobs and boondoggles are legends. A few of the more notorious ones are: the flooding of the Marmes Archeological Site in Washington (the oldest known record of man in North America), the loss of water by unperceived seepage into the inundated crevices at Glen Canyon Dam on the Colorado River in Arizona, the despoilation of the Everglades due to the COE's diversion canals, and of course the St. John's River in Florida.

The COE runs on a budget which is completely dependent upon the Pork Barrel. Congressmen are notorious for their denouncement of boondoggling until there is a chance for a piece of the action in their home districts. The Pork Barrel is the Congressman's ace in the hole. Who cares if there are more ecologically sound methods of flood control? The COE is willing to bring federal money into his district (this brings, or at least used to, bring him votes).

The COE says that such and such a dam is "economically feasible" (by COE standards, which is a long story in itself) and is the only solution to the problem. All of the COE's proposals are stacked against the ultimate solution to the problem, the high multi-million dollar dam. All other methods of flood control have had their cost-benefit ration deck carefully stacked against them by those clever economists in the COE.

Mr. Gust said, "In this particular project the COE has made studies and planned in ways they have never done on this type of project before. They've studied the soil and terrain . . ." The geology nature of the Sheyenne Delta has caused some concern about alteration of the water table in the area surrounding the reservoir. In a letter to one concerned individual the COE said it would investigate further into the possible problems once the project has been authorized by Congress! Imagine that! The dam

will be authorized, then the problem will be investigated?

Mr. Gust says that a dry dam would leave great mud flats on the flood plain, and that this would be harmful to wildlife. He is partially correct. He fails, however, to take into account that fact that if mud flats are caused by high water behind a dry dam, mud flats will also be formed behind the 5000-acre lake of the high dam.

Looking at the matter from the standpoint of wildlife lost, you would lose 5000 acres of habitat to a permanent lake, plus the amount destroyed by the mud from the flood water. This would amount to approximately twice the forest destroyed by the dry dam.

All the rhetoric about "treelined shores" on the lake, put forth by George Sinner in the February 1 issue of the Sunday Forum, is negated by Gust's statement about the mud flats caused by the temporary inundation.

Another myth which needs exploding is the "water for municipal uses." The COE report on the Sheyenne Basin flooding problem states on page 38, section 65, "Lake Ashtabula together with Orwell Reservoir on the Ottertail River, Minnesota, and the Red Lakes Reservoir on the Red Lake River, Minnesota, is capable of meeting foreseeable future municipal, industrial and domestic water requirements on the Red River of the North main stem!"

The above quotation means that the COE is not planning to allot any uses of the Kindred Dam water, specifically, for municipal purposes. There are other available sources (which do not entail building a \$40 million dam).

The ethics of dumping our water on the next guy is one phase of this whole problem which should have been considered 20 years ago, when the whole ecology of the prairie was clobbered by the advent of the bulldozer, dragline and earthmover.

As long as the pothole's water is dumped into the Sheyenne, there will be a higher frequency of flooding than is normal. As long as those drainage canals are open, any reservoir will die a premature death by siltation (no matter how the COE cleverly manipulates those waters, Mr. Gust).

Would you like to know how the COE plans to slow down the silting-in of Garrison Reservoir? There are two dams planned for the Little Missouri (the only wild river of any consequence in North Dakota). They want to make a mud pond out of our Bandlands river.

One of the dams is proposed to go in south of Marmarth and the other one west of the Burning Coal Vein near Amidon. You see, the only way to "prevent silting" in a silt laden river is to dump it in a lake or let the river keep on flowing so that it does not drop the silt. When

the Sheyenne River enters the 5000-acre lake, it will drop its silt load. It will continue to drop its silt load the year round behind a wet dam. The dry dam would only be susceptible to silting during times of flood.

As far as this writer is concerned, the most ecologically sound plan for flood control is to restore the prairie wetlands, and to dike towns like West Fargo, where relocation is difficult, to protect them from the floods of normal intensity.

Farmers would have to be paid for the land which would be reclaimed for flood

control. The plan would be permanent, it would save the Sheyenne Valley, it would restore our waterfowl and the landscape diversity which the pheasant, the deer and man needs.

It is an expensive dream, but it is our only real chance of saving a livable North Dakota environment for our great-grand children. Instead of a silted-in reservoir and a barren landscape at the end of 150 years, we could have our forests, ducks, deer, grassland and an inhabitable landscape.

Gerald S. Henrikson A&S - 3

from the OTHER SIDE

by Michael J. Olsen

I guess it's about time for me to make some sort of writer's declaration. I'm really not up for it, but it seems to be becoming more and more necessary with every column I write.

I write what I feel and what I want. It is then up to the editor to decide whether my column has enough social merit to be printed. So far, none of my columns have been censored. I'm quite grateful for that because I feel I have had something to say in every column I've written, or I wouldn't have written it.

Another thing I've noticed is that people actually read my column and react to it. This has been quite a surprise to me, believe it or not, because, until recently, I really didn't think people paid much attention to it. People react in such different ways to the same column it's unbelievable. The fact that they are reacting, though, tells me I'm serving a purpose.

I write things that happen to me. I am a person who things happen to. By writing about them I found out that these same things happen to other people, and they actually like reading about it. For instance, there was a time when I figured that the vets on campus were out to lynch me. Then I wrote a column about what my basic training was like. That was two weeks ago. Since then, I've had vets turn to me in the middle of class and tell me how much they enjoyed reading about basic training. They can read and think, "Hey, he knows what it's like."

I am a hopeless romantic. I admit it. Because of it my writing gets a little sugary sometimes, sentimental things turn me on and the simple joys can be the greatest happenings in the world to me. I've found out, through my column, that there are a few more romantics hanging around. If I communicate to them, I've been as big a success as I was to a handful of vets. In fact, if just one student has gotten something out of my column, I consider myself a success.

Sometimes I write about family. Why not? It is something very close to me. And maybe it just happens to be something close to someone who is reading my column. Writing is a way for me to get close to people. I can't get close to everyone at once. It's impossible. If you don't like my column or think it stinks one week or every week, that's your right. Maybe you'll like it next week. I hope so. But if you don't, I won't get all upset, because just maybe someone else got something out of it.

The most common remark made about my column is that I write just like I talk. I guess this can be taken either way. Bob sat next to me in the office last week trying to figure out whose style I was copying. I told him I had lots of favorite writers, and I wasn't aware I was copying anyone. I imagine I have to go along with those that say I write like I talk.

This brings me to one of the major points of this little declaration. The following words are used not infrequently by me: damn, hell, bitch, whore, goddam and finally bullshit. Consequently, every one of these words have been used in one or more of my columns. The latter word seemed to have upset a number of people. I hadn't even realized I had used the word until I had finished the column and someone pointed it out. I guess I figured it was that appropriate. Every word I use is used because I feel it best communicates the idea I'm trying to get across. If they offend some people, I am sorry. But I will still continue to write what I feel. Just as I respect their right to object, I wish to be respected for my right to my opinion.

I enjoy writing. I want to continue to do so. And I will as long as I feel I am serving a purpose. Thank you for giving me that purpose.

New Staff Appointments Announced

Several new staff appointments at NDSU have been announced by President L. D. Loftsgard. The appointments have been approved by the State Board of Higher Education.

Bert L. Moore has been appointed instructor in Animal Science, replacing Dr. Christen Jensen, who reached mandatory retirement age.

A graduate of Iowa State University, Ames, Moore received his M.S. degree in Animal Science at SU and is currently working on his Ph.D.

Dr. Jensen, a native of Denmark, received his B.S., M.S. and Ph.D., degrees from Iowa State University and first joined the SU faculty in 1926. He was appointed professor and chairman of the Department of Animal Science in 1946.

During his many years as a professor, Dr. Jensen taught primarily

in dairy technology and dairy bacteriology. He also conducted research dealing with the detection of mastitis in milk and the defects of packaged cheese. He served as a technical consultant for a local creamery for about 12 years.

He holds memberships in many dairy, science and bacteriological societies and presently is secretary of the Board of Trustees of the North Dakota State Dairy Show and president of the board of the Fargo-Moorhead Symphony Orchestral Association.

Orville Banasik has been named acting chairman of the Department of Cereal Chemistry and Technology, succeeding Dr. Kenneth Gilles, who has assumed duties as vice president for agriculture.

A native of Wales, N.D., Banasik received both his B.S. and M.S. degrees in chemistry from SU and has worked as a cereal technologist at SU since 1947. He has done bio-chemical research on barley and malt quality.

Douglas Graef, a native of Long Beach, Calif., has been named Program Director of the SU Student Activities Board (SAB). He received his B.S. degree from the University of Oregon, Eugene, in 1963 and spent four years in the Navy as a yeoman in intelligence. He saw duty in Mexico, Hawaii,

the Far East and the Aleutians.

Graef returned to the University of Oregon and completed work on his Master's degree in 1968. He worked with the Eugene Department of Parks and Recreation as center director and children's sports coach.

A former student at the State School of Science at Wahpeton, Keith V. Dahnke has been appointed commercial programmer in the SU Computer Center.

Phi Eta Sigma Initiates

Phi Eta Sigma, the national honor society for freshmen men, held initiation rites for 23 new members and two honorary members. Dean of Men Charles Benson and Dean of Students Leslie Pavek were presented with honorary memberships to the scholastic society.

The following students were initiated: Kevin Nawman, Arts

and Sciences; Michael Kohn, Arts and Sciences; Russell Moen, Electrical Engineering; Steve Hayne, Chemistry; Chuck Resmayer, Arts and Sciences; Leland Swanson, Arts and Sciences; Carroll Mortenson, Pharmacy; David Olson, Arts and Sciences; William Docktor, Pharmacy; Kenneth Albrecht, Electrical Engineering; Wayne Rogelstad, Electrical Engineering; Scott Lutz, Pharmacy; Steve Sperle, Electrical Engineering; Bill Deissler, Chemistry; Tom Belland, Mechanical Engineering; Donald Matteson, Agriculture; Mark Novotny, Chemistry; Randal Pitzer, Mechanical Engineering; Mark Nelson, Electrical Engineering; Robert Stenberg, Pharmacy; James Skakoon, Electrical Engineering; Jay Rich, Pharmacy.

Congress To Repeat Restraint

CPS — Twenty-six senators and 127 representatives have jointly sponsored a proposal to repeal Title II of the Internal Security Act of 1950 which allows law enforcement officials to "preventively detain" individuals in the event of a presidential declaration of an "internal security emergency" in the U.S.

According to Senator Daniel Inouye (D-Hawaii), it is necessary to repeal Title II now because, "Widespread rumors have circulated throughout our nation that the federal government is readying concentration camps to be filled with those who hold unpopular views and beliefs."

The Internal Security Act of 1950, also called the McCarran Act, gives the president the power to declare an emergency if (1) the U.S. were to be invaded, (2) Congress were to declare war, or (3) there was an insurrection in the U.S. in support of a foreign power.

Title II provides for the detention of a person "if there is reasonable ground to believe that such a person will engage in acts of sabotage or espionage." If a person is detained under Title II, he has no right to a trial, either by judge or jury.

Senator Hiram Fong (R-Hawaii) called the provision "an ugly sym-

bol of totalitarianism. It is well known that during World War II, 117,000 persons of Japanese ancestry, many of them loyal American citizens, were detained in so-called relocation camps under the authority of this law."

Numerous attempts have been made to repeal Title II in the 19 years it has been on the books, but they have been blocked by a coalition of Southern and Republican legislators. Despite the initial support given this attempt, it is not expected to succeed.

Local Art Show, Sale At RRAC

Art works by local and regional artists are available for purchase or rental at the Red River Art Center. The works will hang in the main gallery through February then will be moved to the lower level.

The program will provide original art for businesses and homes and will also provide an opportunity for exhibition of locally produced art works.

The Red River Art Center is located at 521 Main Avenue, Moorhead.

Cathy Johnson Is Little Colonel

Miss Cathy Johnson, a junior, was chosen by Arnold Air Society to represent its squadron in the Little Colonel Contest to be held at the Arnold Air Society Area Conclave in Minneapolis, Feb. 12-14. Miss Johnson, a speech therapy and psychology major, is a member of Angel Flight, Arnold Air's auxiliary organization.

At the Area Conclave Arnold Air cadets and officers will attend business meetings. The high-

light will be the Military Ball when Miss Johnson competes with other candidates for Little Colonel honors.



Cathy Johnson



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KD Elects Officers

Kappa Delta election of officers was held Monday, Jan. 26:

President - Kathy Kennedy, vice president - Brenda Holes, secretary - Missy Siemers, treasurer - Charlotte Erickson, asst. treasurer - Jane Haugen, editor - Cindy Nasset, membership - Beth Garaas.

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Dining Center Balcony Added

The University Dining Center has received a face-lifting with the recent addition of a \$2,600 balcony.

Adding 1400 square feet of seating space, the balcony was built to eliminate the "mess-hall atmosphere" of crowded tables.

"These kids have to spend a lot of time here and we want to make it as enjoyable as possible," said Frank Bancroft, Dining Center director.

Previously the center could seat 580 students and though the number of chairs and tables have not been increased, the extra room was needed.

"The only big complaint about the changes is that they are changes," said Bancroft. "People don't seem to like change."

Textiles Tour To Europe Planned

A European study tour in fashion and fabrics is planned this summer from July 17 to Aug. 25, said Miss Emily Reynolds, chairman of the Textiles and Clothing Department of Home Economics.

The tour will cost each individual \$1,875 from New York and will be worth five University credits.

Leaving New York July 17, the tour group will travel throughout Europe to Paris, London, Rome, Copenhagen, Geneva and Amsterdam.

Visits to clothing schools, fabric, leather and lace-making factories and fashion houses comprise the main part of the tour.

Sidetrrips include the Vatican, Tivoli, a passion play at Oberammergau and Paris-by-Night.

A \$50 check should accompany an application to Miss Reynolds. Payment of \$300 is due June 15 with the balance due July 1.

SAB Elects For '70

Student Activities Board has elected officers for the coming year:

Kevin Bosch, president; Joleen Lessard, vice president; Victor Broton, secretary; and Kurt Eichmeier, treasurer.

Douglas Graef is the newly appointed program director.

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Bus Econ Club Reorganizing

A storm of controversy surrounded the Business Economics Club last spring, because of its annual banquet. Banquet attendance, although not required, was an alternative for writing a rather lengthy paper.

"The banquet was the biggest reason for the cloud around the club's name," said Randy Wimmer, president of the club. "We don't have this required banquet anymore. We are having a spring banquet but student attendance will not be required."

The Business Econ. Club is made up of students primarily from the business department, however, it is open to any student who would like to join.

Out of the 80 persons on the membership list, Wimmer estimated ten persons carry the load. The club is trying to reorganize the 70 members not giving the support will become interested enough to participate in club activities.

In March the club expects to present, with the placement office, a program on finding jobs after college. Gayle Smith, placement director, will lead the discussion.

"We ran a poll and found placement and interviewing the two things students wanted to know about most," said Wimmer. "After the program on placement, we are planning a meeting dealing with interviewing. Sort of how to sell yourself."

Student interest in these meetings is lacking, however. Attendance at the first meeting, a "pitch-in," was poor, but the organizers were satisfied with the results.

"Everyone who came to the 'pitch-in' was really involved and interested," said Wimmer. "When the group goes out and tells others about it, the attendance will get bigger."

The Business Econ Club just

completed a survey for the Roman Meal Company. Besides being a good money-making project, it provided a chance for the students to apply what they learned in class on an actual situation.

"The purpose of the club is to provide the student with some practical experience before he graduates," said Howard Alvstad, vice president of administration of the club. According to Alvstad, the club should be a necessary part of a good business education.

"The club's required banquet made news last spring," said Alvstad, "but many of the good services it provides for the student aren't noticed as much. I think the good things about the club more than outweigh its bad points."

Scholarships are awarded to five persons each year from money raised by the club. It sponsors a business industry trip each year to acquaint the students with various companies and to discover what the companies are looking for in a college graduate. The club also participates in Career Day.

"The reputation of the club has got to change if the reorganization is going to work," said Alvstad. "But we have high hopes for it."

SAE Elects

Sigma Alpha Epsilon recently elected officers: President - Tom Berg, vice president - Dave Maring, treasurer - Chuck Winn and recorder - Wayne Hartman.

Student Businesses Incorporate

Berkeley, Calif. — (CPS) — Westwood Village near UCLA abounds with first-run movie houses, traditional men's clothing stores and parking lots. Most of the shops in the University District around the University of Washington try to be "hip" but seem to be run by people out only to make money.

The University of Hawaii owns most of the land around its main campus, so only a few businesses are located near the campus.

In the south campus area near the University of California at Berkeley, however, students are trying to change the complexion of the business community. Students of Berkeley, Inc. (SOB) was formed five months ago as a non-profit, student-owned corporation which now owns a record store and a copying salon.

Since more than half of the University's 27,500 students live within a mile of the campus, local businessmen have captive customers. Many students who live in dorms and don't have cars are at the mercy of merchants. Potential shopkeepers are easily discouraged by the rents ranging above \$1,000 per month or by opposition from the conservative and powerful Sather Gate Merchants Association.

Late last spring this situation was disrupted by the opening of Leopold's Record Store owned by SOB. Instead of selling records listed at \$4.98 for \$3.69, as most local stores do, Leopold's sells them for \$2.98. When the store first opened, records had to be ordered, but now Leopold's has a \$10,000 stock of records.

The SOB's Board of Directors consists of five members from the

Associated Students (ASUC) Executive branch and ten other representatives elected by ASUC Senate.

According to Mike Lauer, board president and junior in computer science, SOB clears about \$1,000 a month with most of the money going to buy records.

Cleo's Copying Salon, which opened No. 12, ran at a deficit for several weeks, but co-manager Doug Turner says that profits will soon clear the books of the current \$3,000 debt.

In the tightly competitive Berkeley copying market, Cleo's seems to have two advantages — lower prices and the Xerox 7000, "the shrinking Machine" which takes opposite pages of a book and reproduces them on a single page of copy.

SOB is also considering opening a laundrette with rock music and dancing and a community arts and crafts center where

people could buy and sell things they make, according to Board Member Jon David Bachrach.

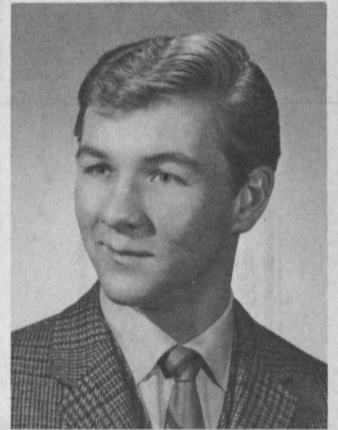
Moreover, the group intends to help community programs and may donate \$500 to the campus Child Care Center.

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CU Adopts 4-1-4 System

Hamilton, New York — (CPS) — One of the most popular academic changes in the past year has been the conversion of colleges to a 4-1-4 calendar. Dozens of schools from Colgate to Colorado College have initiated the system which gives every student a full month of independent study or special project time.

New York's Colgate University was the first school to experiment with the approach in 1966. The school (at the time) all-male liberal arts school discarded the traditional semester calendar in favor of two four-month (actually 14 week) semesters with an open month between. First semester exams were concluded before Christmas and the second semester work did not begin until February.

The change meant intensifying courses from 10 to 20 per cent, and there was little student objection. Many felt January was a wasted month anyway, as little was accomplished due to Christmas vacation, exams and a semester break.

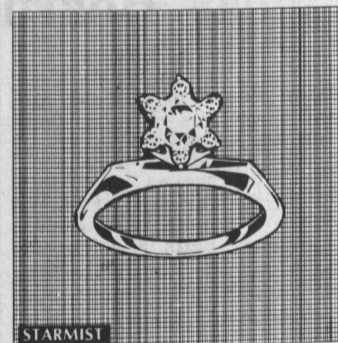
Operating the new January semester term on a credit-no credit basis, Colgate required its students to complete 32 courses in four of the special studies periods to receive a degree. During each of the four-month terms, students were required to take four courses.

Students picked their own study program for the month of January and worked through a faculty advisor. Normally, two January semesters would be spent dealing with topics related to the student's major and two related to special interest in another curriculum.

Today, the projects frequently include spending the month of January in another city, state or country to get first-hand experience in the independent study project.

And freshmen fully participate. Colgate studied the 4-1-4 system two years before initiating it. Today the Colgate system is the model for similar programs at a rapidly increasing number of colleges and universities throughout the country.

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Architects 'Make Same Mistakes'

"The designers of today's buildings are making the same mistakes over and over again," stated Robert Sommer, noted authority on the relationship of human behavior to design.

"Architects should return to buildings after they have been completed to observe more carefully how their users are reacting to the environment he has

planned for them," continued Sommer in his speech at Stevens Hall Feb. 4.

Sommer, chairman of the Psychology Department at the University of California at Davis, came to NDSU under the sponsorship of the Architecture Department as part of its annual lecture series.

According to Sommer, today's architect must not only plan environments but also help people use them in the most optimal way. To support the stated need to "get designers back into spaces after completion," he showed examples of dramatic deficiencies that exist in many recently constructed facilities.

A lounge in an elderly housing facility was shown to actually re-

strict social interaction rather than to promote it due to planning oversights. The same type of desocializing effect was displayed in mental hospitals and recently constructed air terminals.

Sommer stressed the importance of a close relationship between the architect and user of the proposed structure. "In many cases, the clients are not the users. A hospital building committee, for example, does not usually contain nurses or patients. In most cases it is made up of the board of directors, who have no day to day contact with hospital function. The same is true of other institutional structures."

In addition to greater user control over the initial planning, psychologist Sommer called for greater day to day flexibility of environments after completion to suit the individual needs of occupants, and occupant's behavior. This need to "humanize" environments is the central topic of Sommer's recently published book, *Personal Space*.



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Alpha Gamma Delta Elect Officers

Beta Beta chapter of Alpha Gamma Delta recently announced its new officers. According to past president Jeannette Becker, the following officers were installed Monday, Feb. 2:

President - Sandy Kinnischtzke, first vice president - Barb Field, second vice president - Sherry Anderson, corresponding secretary - Gloria Faught, recording secretary - Sue Spies, treasurer - Susan Kraby, activities chairman - Claudine Allamand, house chairman - Barb Quarve, Panhellenic - Sonja Wold, Ruth Peterson and social chairman - Diane Carlson.

MINDS OF THEIR OWN

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Slanted Sidewalks Sought During Circle K Drive

Handicapped students may soon have a greater opportunity to attend university functions and find it easier traveling to and from classes.

Circle K, an NDSU service organization, is sponsoring a slanted sidewalk fund drive February 9-20.

Donated money will be used to hire contractors to cut away curbs and restyle SU campus sidewalks. Slanted walks will provide more convenient routes and eliminate hazardous travel on streets for handicapped students.

About \$5,000 will finance major sidewalks while \$10,000 is needed for the complete project.

Merrickay Oleen, a third year pharmacy student who uses a wheelchair, would be saved time and effort by slanted walks.

"It's wonderful," said Miss Oleen in reference to the sidewalk project. "Living in Weible, it usually takes about 15 minutes traveling time to Ladd Hall. With slanted walks I think I could make it in seven."

Miss Oleen said she would like to go to the Union more often and attend more university activities but finds it hard due to the obstructing curbs and detoured routes she must take. Crossing

parking lots aids her travel, lots are not always available safe due to drivers who are aware that she's there.

Fund raising for the slanted sidewalk project has brought about campus legislation. Campus Committee has resolved that all future sidewalks will be slanted when built. Student State has responded by passing legislation supporting the upcoming fund drive.

Income from the drive will determine how many sidewalks will be slanted and at what dimensions. Tentative estimates include restyling as many walks as possible at a slope of one-half inch per foot for 12 feet.

Goals, benefits and general information about the project fund drive have been sent to fraternities, sororities and other clubs and organizations on campus.

Donated funds will be handled through the Dean of Students office with receipts given to each contributor. Names of donating organizations and the amount given by each will be listed daily on a chart in the Union.

Terry Gregoire, president of Circle K, hopes major sidewalks will be slanted for fall, 1970.

Satellite Station to Open House

Following an estimated 1200 man-hours of work in constructing an Automatic Picture Taking (APT) weather satellite ground station, 25 students in an electrical engineering class at NDSU have scheduled an open house. During the open house from noon to 5 p.m. Friday, Feb. 20, they will exhibit and demonstrate the weather-tracking equipment.

More than \$1,000 has been in-

vested in the unusual project, including a \$500 Vincent Benson Competition in Electronics grant. Students have completed the project during laboratory sessions of an electrical engineering class taught by Dr. Ordean Anderson, assistant professor of electrical engineering.

Planning for the project began more than two years ago, according to Anderson with three major phases of construction: (1) the antenna, (2) the receiver, and (3) the facsimile unit.

With weather satellites passing over this area nearly every hour it will be possible for the students to display weather patterns directly on an oscilloscope for those visiting the laboratory. Patterns previously recorded on magnetic tape will also be played back on the facsimile unit. The pictures show cloud cover in a 50-mile square area surrounding SU.

Coffee will be served and the open house is open to the public.

Guidon Elects

Guidon recently initiated 20 NDSU coeds.

The new initiates are Linda Broderson, Karen Carlson, Deborah Davidson, Alexis Gallagher, Maureen Gallagher, Benda Gronneberg, Kathy Hannig, Janelle Hobbs, Janet Hustad, Lynette Larson, Renae Larson, Janice Lindstrom, Judy Ostmo, Sally Rice, Janice Rorvig, Kathy Sandal, Eddy Schumpelt, Melissa Siemers, Kathy Williams and Sonja Wold.

Appeals Board Proceedings

Traffic Board of Appeals approved three, turned down one and did not act on four appeals at its last meeting.

Receiving refunds for two dollars each were Mary Ellen Sweeney, Lawrence Betts and Thomas Shen. A motion that all assessments be held against Roger Heland was unanimously approved.

The board did not act on four appeals because the submitter were absent. Persons not in attendance and receiving no refund were Barry Weingarten, John Burke, Audrey Thorstenson and Thomas Kuruvilla. Students are reminded that any appeal must be presented to the appeal board by the filer if a refund or adjustment is sought.

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Each entry must be on a sheet of paper no smaller than 8 1/2 by 11 inches.

Entries should be fairly detailed and to scale with approximate dimensions included.

The finished robot can be no more than 30 inches wide and 6 feet tall.

Entries must be submitted to the NDSU Electrical and Electronics Engineering Department to Prof. Ernest Anderson no later than 5 p.m., Friday, March 13, 1970.

Reproductions of the winning drawings will be published in the Spectrum with credit to the designer.

All entries must be original and submission of an entry gives the EEE Dept. full permission to use the design for their robot.

Valuable prizes will be awarded.

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Metabolism Scientists Study Radiation Effects

Eloise Dustin

Many of the scientists at the Metabolism and Radiation Research Laboratory are engaged in radiation experiments with insects. Insect control without the use of insecticides is the objective that guides the basic research activities of this team.

Scientists have demonstrated that releasing sterile insects into the natural environment is an effective and economical method of eradicating some insect pests. Continued studies on radiation sterilization of insects will determine whether this method can be used against other insects.

For such experiments, scientists use a modern swimming-pool type of gamma radiation and a versatile high-voltage X-ray facility to deliver radiation to insects under controlled conditions.

By use of these radiation facilities, insects can be exposed to a variety of doses of X-ray and gamma radiation that can completely sterilize them. This usually is accomplished without affecting their lifespan or vigor too drastically. However, damages and changes occur in their reproductive organs and other body tissues.

Examining these altered tissues under an electron microscope will increase knowledge of the nature of these effects and help understand the changes in insect behavior and reproduction.

Only a few years ago insecticides were the only chemicals used to control insects. However, for several years scientists have been investigating the properties of certain chemicals that induce sterility in insects to find out how and why they work.

If the scientists can discover the materials and methods of using them, they anticipate that chemical sterilization will be far more effective than treating with insecticides or even radiation sterilization.

Two distinct irradiation facilities are located at the Research Laboratory, each having a different radiation source.

Cobalt radiation depends for its source on the radiation emitted from the radioactive isotope, cobalt-60. The facility's 10,000 curies cobalt-60 swimming-pool-type gamma ray generator is located beneath 11 feet of water which completely shields the operators. Gamma radiation from the cobalt-60 loses half of its energy for every 5.5 inches of water it traverses.

X-rays are generated by electricity. This is the second source of radiation at the laboratory.

Gamma rays are of higher energy and frequency than X-rays and therefore have greater penetration. Gamma rays might be considered "high energy X-rays." Both types of rays have similar biological effects. Exposure is determined by the length of time the object is subjected to radiation.

Since gamma rays penetrate more deeply than X-rays, it is easier to irradiate larger specimens or larger volumes. In addition, the obtainable (measured amount of radiation received) is higher in the gamma facility. The gamma source yields a dose 30 times as great as the X-ray source. Radioactive cobalt used was obtained from the Brookhaven National Laboratory, New York.

Ordinary metallic cobalt strips were placed in a nuclear reactor and bombarded with neutrons. The cobalt captures some of these neutrons into its atomic nucleus, a process which makes it quite unstable. In order to regain stability, pulses of energy are released from the radioactive cobalt. This released energy is the gamma ray.

Employed also as a research instrument in this laboratory is the 300,000 volt X-ray machine. It is used to study the effect of radiation on insects, in particular the cells of their reproductive organs.

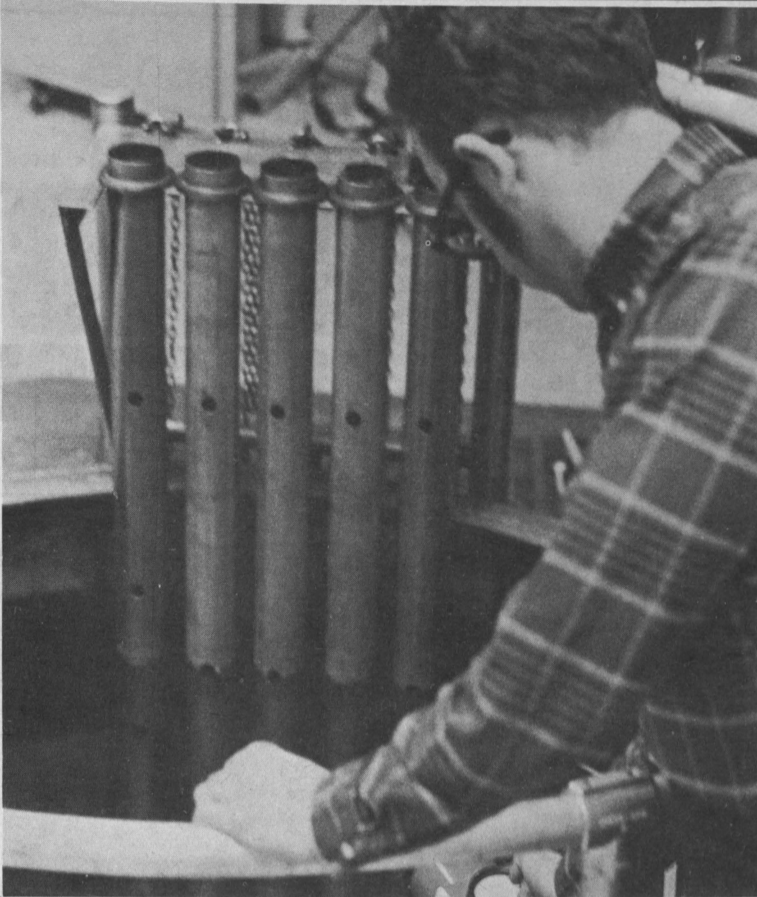
For this type of research an X-ray unit of extremely high voltage is needed to obtain deep penetration through the tissue. Advantages of using X-rays are: ease of operation, versatility and production of radiation of different energies (energy of the X-rays is proportional to the voltage). The room with this machine has lead shielding in all the walls and on the door for protection against the rays.

X-rays are electrically produced inside a vacuum tube. The cathode, or negatively charged part of the tube, consists of a spiral tungsten filament surrounded by a metal cup.

When high voltage is applied to the tube, the filament becomes heated to incandescence, very similar to an ordinary light bulb. When more voltage is applied, the filament becomes hotter and hotter until it ejects free electrons.

Once free, these electrons are attracted to the positively charged anode. The anode, also made of tungsten, contains a special target called the focal spot, where free electrons from the filament strike the anode. These free electrons are collectively known as cathode rays.

When cathode rays hit the focal spot or target, X-rays are produced. The target is so constructed that a large majority of X-rays produced are given off in a single



A member of the staff of the Metabolism and Radiation Research Laboratory oversees the storage of radioactive material.

(Photo by B. Johnson)

direction. Once generated the X-rays pass through a metal window made of beryllium which absorbs few X-rays.

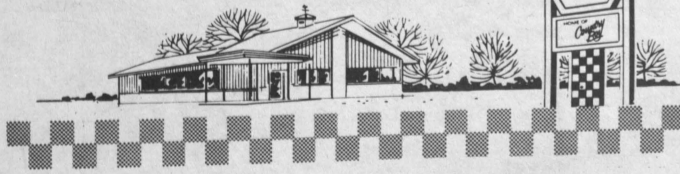
X-rays follow the same pattern as light rays. Unlike light however due to their higher energy. X-ray machines, though, can be turned on and off, unlike the gamma rays constant production.

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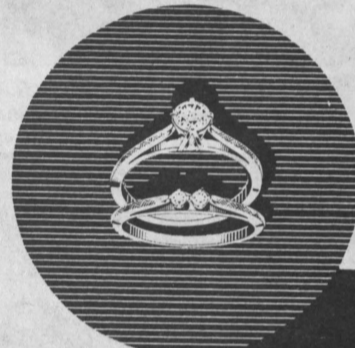
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Committee Against Nuclear Testing Forms

Washington — (CPS) — Ernest Gruening, former U.S. Senator from Alaska, has announced the formation of a National Committee Against Underground Nuclear Testing.

The establishment of the Committee is an outgrowth of the nationwide protests against underground testing on Amchitka, Alaska, last October when an underground test shot of 1.2 megatons exploded.

The Atomic Energy Commission announced that the next shot to be exploded on Amchitka will be "several times larger" than the October shot.

The progressive increases in the size of these underground nuclear blasts," Gruening said, amount to playing 'Russian roulette' with the lives and property of only of the people of Alaska, also those of Washington, Oregon, California and Hawaii."

The test site on Amchitka is located on a seismic fault, connected with the San Andreas fault.

The tests "not only present the definite danger of radioactive fallout in possible violation of the limited Test Ban Treaty and the destruction of the ecology of the area but might well trigger earthquakes in California and Alaska and tidal waves in Hawaii," Gruening said.

The purposes of Gruening's committee are "to seek to halt further underground megaton nuclear tests until there has been an objective, in-depth evaluation by an independent group of eminent scientists of all the hazards from such testing."

The Committee will seek to stimulate groups throughout the country to make a concerted and coordinated effort to prevent such further testing by supporting litigation to achieve such an end, by pressuring state and federal legislation aimed at achieving the committee's objectives and by the widest possible dissemination of information already known about the dangers from such underground nuclear testing.

A lawsuit is now in preparation and will be filed shortly to enjoin further underground nuclear tests at Amchitka.

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Project Themis Analyzes Pesticides, Insect Disease

by Cheryl Ellis

Summer is not entirely gone at NDSU. A bit of it is held captive in a small room just a few paces off the beaten path. The temperature is shirt-sleeve warm, the humidity is in the 90-100 per cent range, and drops of water run down the walls. And — oh, yes — there are several thousand mosquitoes busily doing whatever it is mosquitoes do on such days.

The room is part of Project Themis facilities and serves to provide a continuous supply of mosquitoes for the research team of Dr. M. Sayeed Quraishi, associate professor of entomology.

"Control of Vectors through Interference with Normal Processes of Insect Physiology, Reproduction and Behavior," is the formal title of the project. A vector is a disease-carrying insect. More simply, then, the project seeks methods of controlling insect-borne disease by interfering with the life cycle of the insect rather than by poisoning it, as the recent practice has been.

"Since the middle of the century synthetic organic insecticides have been the chief means for controlling disease-carrying insects," says Quraishi. "However, insecticide use is beset with three major problems, namely, development of resistance, persistence of residues, and wholesale toxicity of these chemicals to all forms of life."

Some individuals in any insect population are able to absorb a pesticide and metabolize it without harm, even though many would be killed by the same substance. When these resistant organisms have a chance to breed, a new resistant strain is developed.

Perhaps the most significant drawback is that present pesticides are poisonous to all forms of life — not only insects. The greater the buildup of these toxic agents, the greater the danger to higher forms of life.

"Insects have their skeleton on the outside, and other forms of life have an internal skeletal structure. Because of this, one area of our research concerns the effects of different teratogens on that exoskeleton," relates Quraishi.

"A teratogen is a monster-producer, a drug that induces serious birth defects. The best known teratogen is probably thalidomide which was formerly prescribed as an anti-nausea medication for pregnant women. Though it originally had no ill effects on first test mice, it does adversely affect humans and rabbits.

"So far, we have found substances which make it impossible for the insect to develop into an adult in various ways, and some which have resulted in deformed adults. The impact of this can be more readily seen when you consider a female mosquito that is unable to draw blood is also unable to breed."

Certain chemicals have been found to induce confusion in behavioral patterns, preventing the insect from distinguishing solid ground from water, or altering the type of organism the insect is attracted to (i.e. from man or animals).

After the first 15 months of the project, Quraishi concludes: "Our results indicate that "safe" insect control agents possessing desirable properties can be discovered."

According to Quraishi, the military has a definite practical and humanitarian reason for research. At least until World War II every military conflict in history resulted in more deaths from insect-borne disease than from actual acts of war.

"Whenever there is a movement of people," Quraishi continued, "and conditions deviate from the norm, the chances of insect-borne diseases acquiring epidemic proportions increase. These factors are of prime importance wherever movements of troops take place, or where floods or other natural disasters occur."

In addition, he cited an inde-

pendent study by the World Health Organization (WHO) in India. Using two villages, one in which malaria control was instituted and one which served as a control group, it was found that agricultural production increased by 10 per cent with no other changes. In many areas of the world, a 10 per cent increase in production could mean two meals a day and the end of starvation.

The Department of Defense established Project Themis as a response to a speech delivered Sept. 14, 1965 by President Johnson:

"Our policies and attitudes in regard to science cannot satisfactorily be related solely to achievement of goals and ends we set for our research. Our vision in this regard is limited at best.

"We must, I believe, devote ourselves purposefully to developing and diffusing — throughout the nation — a strong and solid scientific capability, especially in our many centers of advanced education. Our future must rest upon diversity of inquiry."

"Besides the tangible results we hope to achieve," said Quraishi, "we also serve as a training ground to provide a nucleus of highly trained people who will be able to combat outbreaks of insect-borne disease wherever they occur."

Funding is from the U.S. Army Medical Research and Development Command and is awarded for a three-year period. One half of the total amount is for the first year, two-thirds of the remainder is for the second year, and the

final third is for the third year. Renewal of the project may be applied for each year, resulting in a steady level of funding until either the university or the Defense Department decides against renewal.

The NDSU Themis project is currently funded through 1972 at an average annual rate of almost \$210,000.

SU departments involved in the project include bacteriology, biochemistry, electrical and electronic engineering, entomology, the institute of genetics, organic chemistry, mechanical engineering, pharmacognosy, pharmacology, the speech and hearing clinic and the USDA Metabolism and Radiation Research Laboratory.

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ISU Is Restricting Research Contracts

Chicago — (CPS) — Under a policy recently adopted by its Faculty Council, Illinois State University will not enter into any research contract that restrains freedom to disclose the purpose or scope of the contract.

This policy includes contracts for research on military projects dealing with incapacitating agents for warfare.

Conspiracy Releases Documentary

Chicago — (CPS) — The Conspiracy trial of the Chicago Seven should be over by Feb. 21, according to Conspiracy headquarters, which wants that date to be used for a major educational effort on the case.

"While the jury is deliberating its verdict, we want to bring the case to the people. We are asking the generation of young people across the country to constitute itself as a jury to judge the government conspiracy," Conspiracy

spokesman Lucy Moore said.

The Conspiracy has put together a nine-hour tape documentary on the trial which it hopes will receive air broadcast Feb. 21. The eight-segment tapes are available to campus radio stations or other student groups for \$55. A five-hour version, for those with limited budgets, is available for \$35.

Interested persons should contact The Conspiracy, 28 E. Jackson Blvd., Chicago, Ill., 60604. Payments should be made in advance, according to Miss Moore.

CPS Sponsors Dirty Pictures

Washington — (CPS) — The College Press Service in conjunction with *Psychology Today* magazine is sponsoring a "dirty pictures" contest. A total of \$750 in cash prizes will be offered for the best photograph, illustration and work of sculpture depicting problems of the environment.

George Harris, editor of *Psychology Today*, developed the idea for the contest and asked CPS to co-sponsor it. The magazine is putting up the prize money which includes \$250 for the best effort in the categories of

photography, drawings or paintings and sculpture.

The winning entries will be published in *Psychology Today* magazine. Entries may be submitted beginning immediately to: Dirty Pictures, *Psychology Today*, Dept. 92014, All Pict. should be sent to this California address and not to the CPS national office.

Entries will be judged by a panel which is to include student editors. Entrants wishing to have their entries returned after the contest must include a self-addressed return envelope or page with their entry.

Psychology Today will announce the contest in its special March issue on the environment.

The issue will deal primarily with "human environmental, organizational problems," Harris said. The contest entries, however, may deal with any aspect of the environmental crisis. Sample subjects include water, air pollution, mining devastation of the earth and traffic congestion.

The deadline for entering the contest is April 30, but it is hoped entries will begin coming in this month. Entries submitted before the time will be displayed at the College Editors' Conference of the U.S. Student Press Association (CPS publisher) Feb. 27 to March 2 in Washington.

The conference will center on ecology and environmental problems. About 600 student editors are expected to participate.

ACE Moves To End Deferments

Washington — (CPS) — American Council on Education (ACE) has joined National Student Association (NSA) President Charles Palmer in calling for an end to U.S. student Selective Service deferments.

ACE said it once supported student deferments as being necessary for the national welfare, but now, under the lottery, "The available pool of draft eligible men is so large as compared to the number likely to be called into service that a termination of student deferments cannot affect the regular flow of highly educated men into the power."

Also at issue, according to ACE, is the question of equity. In order to make the draft more equitable, the government must propose all young men of a given age to exactly the same probability of induction," it said. It recommended that those currently enrolled in college be allowed to graduate.

Palmer favors a voluntary draft but has taken the position that the draft is to continue, it would be fairer to eliminate student deferments because they favor affluent youth able to afford college over poorer Black and Chicano youth.

Hearings on the draft are scheduled to begin this month in the Senate Armed Services Committee. Secretary of Defense Melvin Laird has already said the Nixon administration will press for an end to student deferments during the legislative session.

Check who's coming on campus Feb. 18, 19, 20



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Junior Varsity Completes Season With 10-1 Record

Mike Benson
The NDSU junior varsity basketball team, under the direction of Coach Gerry Kringlie, compiled a 10-1 win-loss record to date. The team, averaging over 90 points per game, the Baby Bison have held their opponents to 72.3 points per game. Several of the Baby Bison have seen playing time for the first time, indicating a bright future for Bison basketball.

One of the main reasons for the junior varsity success has been the play of Mark Refling. A 6-5, 195-pound center from Bottineau, Refling has been averaging 22.2 points per game for the Baby Bison, while hauling down 11.2 rebounds a game. An excellent shooter for a pivot man, Refling has hit on 82 of 124 field goal attempts for 66.1%. He is also very accurate from the free throw line, hitting on 58 of 78 attempts for a sharp 74.4%. Refling's high play for the jv's came against the University of Minnesota-Morris junior varsity when he totaled 21 points. He grabbed 21 rebounds against the Valley City junior varsity for a Baby Bison season high in that department.

While a prepster at Bottineau High School, Refling received all-conference honors in his senior year, averaging 26 points and 16 rebounds a game. He set a Bottineau High record when he scored 40 points in one game.

The second-leading scorer for the Baby Bison is Tom Assel, a 6-10 guard from Mandan. Assel has averaged 18.4 points for the team, but has also seen considerable action as a reserve for the varsity. Used as a defense specialist and offensive sparkplug, Assel has played in 16 of the var-

sity's 20 games.

As a sophomore at Mandan High School, Assel participated on the Brave's State Championship basketball team. He received all-conference honors in football, playing both quarterback and halfback. A fine baseball player, Assel is expected to make a strong showing for a starting position on this year's Bison baseball team.

Tom Driscoll, 5-11 guard from Moorhead, is probably the quickest member on the Bison basketball team. Although averaging over 15.9 points a game, Driscoll is best known for his defense and playmaking. An excellent dribbler and passer, Driscoll leads the junior varsity in assists with 37. Driscoll has been the most proficient Baby Bison from the free throw line, hitting on 51 of 65 attempts for 78.5%.

As a starter for the Moorhead High Spuds, Driscoll led his team in steals with 93 and in assists with 115. Driscoll will probably join his older brother Pat, a starting guard on the Bison varsity basketball team, as a member of the Bison tennis team this spring.

One of the top players to come out of North Dakota high school basketball last year was Tom Erdmann, a 6-2 guard from Minot. Erdmann played his high school ball at Minot Ryan where he established 12 school records. He averaged over 30 points a game as a senior, connecting for 52 points in one game. An all-state performer for two years, Erdmann led the state in scoring last year.

This year Erdmann is averaging 13 points and 5.6 rebounds. An excellent shot from anywhere

on the court, Erdmann has taken time to make the adjustment from a high school forward to a college guard. He is expected to make substantial contributions to Bison basketball once he becomes accustomed to his new position.

Three former Shanley High School athletes are also playing on the junior varsity. Dennis Schatz, a 6-4, 200-pound forward, is the second-leading rebounder for the Baby Bison, hauling in 91 rebounds for an 8.3 average. Schatz is averaging 7 points a game. Pete Lana, a 6-4, 195-pound forward, has been scoring 4.8 points and grabbing 4.1 rebounds a game in relief roles.

Schatz and Lana were members of this year's Baby Bison football team. Schatz played tight end while Lana saw duty at split end. Both are expected to see considerable action during spring football drills.

During high school, Lana was an all-state tournament team member in basketball, and received all-conference recognition in football. Schatz received all-conference honors in both basketball and football, and was awarded the Shanley High Athlete of the Year award as a senior.

A transfer from Mayville State where he played both basketball and football, Larry Lamont also prepped at Shanley. A 6-foot guard, Larry has proven to be an excellent outside shooter, averaging over six points a game. A good ball handler, Larry has been sharing playing time with Driscoll, Assel and Erdmann.

While at Shanley, Larry was named all-conference in both football and basketball. In his senior year in 1967 Larry was named the

athlete of the year at Shanley.

Gary Loftsgard has returned to SU after four years in the service. Gary, a 6-2 guard, played on the 1965-66 Baby Bison team before he entered the service. Gary played his high school ball at Walsh County High School in Park River, where he received all-conference honors. Gary is presently averaging 4.9 points a game, playing a swing man at guard and forward.

A late addition to the Baby Bison squad is Jim Fust, a 6-0, 165-pound guard from Rutland. Because he joined the squad late Jim has seen limited action so far.

A captain of his Sargent Cen-

tral high school basketball team, Jim was also elected president of his student body and was an honor student.

All of the Baby Bison, with the exception of sophomores Lamont and Loftsgard, are freshmen. Their progress will be a major factor in the future success of Bison basketball.

BABY BISON RESULTS

JV's	OPPONENT	OPP
87	Kalod Carpet	66
104	Kalod Carpet	60
69	Concordia jv's	67
94	St. Cloud jv's	88
105	Bottineau Forestry	72
79	MSC jv's	55
71	UND jv's	88
90	Concordia jv's	89
101	Valley City jv's	83
107	Minnesota-Morris	72

BABY BISON STATS						
NAME	G	FG-FGA	FT-FTA	RBD	TP	AVG
Refling	10	82-124	58-78	112	222	22.2
Assel	10	74-138	36-48	44	184	18.4
Driscoll		62-134	51-65	43	175	15.9
Erdmann	10	55-116	20-33	56	130	13.0
Schatz	11	27-74	23-33	91	77	7.0
Lamont	11	30-74	8-15	32	68	6.2
Lana	10	19-47	10-19	41	48	4.8
Loftsgard	7	16-43	2-5	34	34	4.9
Fust	4	1-1	1-2	3	3	0.8

Bison Lose Two Basketball Games

The Bison basketball team had the going a little rough this weekend as they dropped two conference decisions, an 88-72 decision at the hands of SDSU on Friday and an 88-74 decision to Augustana on Saturday night.

In Friday's game, the Bison were victims of poor shooting as they managed a weak 35 per cent effort, compared to Augustana's 51 per cent. The Vikings enjoyed their biggest lead with 9:00 to play, as they had opened a 25 point spread.

The key to the Viking victory was the defensive efforts displayed in stopping high-scoring Kuppich and the usually steady Pat Driscoll. Kuppich was limited to ten points, well below his conference average, and Driscoll was held scoreless for the first time in his varsity career.

John Wojtak showed improved play as he contributed 16 points, many coming in the early moments of play. Phil Dranger supplemented Wojtak's efforts with a 16-point performance, and has now reached double figures in each game he has started. Reserve guard Tom Driscoll came off the bench to add 10 points.

The defeat left the Bison with a 3-5 conference record, and an 11-9 season record. It also squared the Bison and Vikings at 1-1 in their season's meetings. The Vikings are now 3-6 in the conference, and have won their last three conference starts, including a 78-72 decision over UND on Friday night.

ing, the Vikings outscored the Bison 24-5 in the remainder of the first half.

Once again the Bison were victims of poor shooting as they managed another 35 per cent effort, compared to Augustana's 51 per cent. The Vikings enjoyed their biggest lead with 9:00 to play, as they had opened a 25 point spread.

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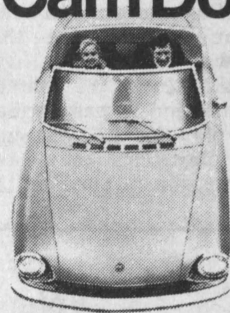
RIFLE TEAM PLACES

The NDSU Rifle Team placed in the North Dakota State Gallery Championships Feb. 1, with Gail Langdren winning high woman overall, Bill Pederson taking second place in total points in the sharpshooter class and Leon Pritchard taking second in the prone match.


The rifle team travels to the University of South Dakota this weekend for an invitational match.

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Reed-Johnson's Non-Resident Hockey Players Cause Dispute

Reed-Johnson's (R-J) intramural hockey team has beaten four out of five of its opponents on the ice, but has an official 0-5 record. The use of ineligible players has forced R-J to forfeit all of its hockey games.

Twelve of the eighteen hockey players playing under the name of R-J either live in other dorms or in off-campus housing. The intramural constitution states:

—An athlete may not play for a fraternity which he does not belong to or has not pledged, or a dorm in which he does not live.

This clause appears to cover the situation, but Kurt Eichmeier, former athletic director at R-J found what he considered a loophole in the constitution. The constitution also states:

—Anyone paying dues to an organization shall be allowed to participate in its program.

"We feel organization can be interpreted many ways," explained

Eichmeier. "We interpret it to mean both fraternities and dormitories."

Under Eichmeier's interpretation, players from Churchill could play for R-J. Also, "super teams" could be amassed in every sport, as long as each member of the team paid dues to the organization for which they played.

Director of intramurals Carl Miller, pointed out the folly of this interpretation as he said, "How would it be if the ATO's and the Theta Chi's would incorporate for one football team?"

The ineligible players would not have been able to play hockey if R-J had not used them, Eichmeier rationalized.

"Intramurals should be for the fun of playing," said Eichmeier. "We want to give everyone who wants to a chance to play."

One of the ineligible players for R-J was Gordie Scott, Churchill Hall resident assistant. Last year he lived in R-J.

"At the beginning of the season those of us interested in hockey in Churchill realized that Churchill was not going to have a team," said Scott. "We contacted Eichmeier and it was decided we would play for R-J. We just wanted to play. The team voted at the first game to play for the

fun of it and to forego any intramural points."

"We could have put a team on the ice without them," stated Eichmeier, "but, when these people came to me I decided to try to legally get them on our roster. I went to the I-M board to have these gentlemen accepted as legal members of our team. The proposal was defeated by a narrow margin."

"There was no Greek-Independent conflict on this issue," stated Miller. "The Intramural Council is a legislative body with the power to make rules to govern the running of intramurals. Their vote on the hockey question merely upheld their constitution to the letter."

According to Intramural Council President Jim Rosland, R-J was, at the time of the vote cautioned as to the penalties for playing illegal players as provided in the constitution.

—Any player found guilty of playing for another (misrepresentation) shall place himself on suspension for one year and would also eliminate his organization from that sport for the remainder of the year.

"I suggested," said Rosland, "that if these athletes were seriously considering playing for R-J,

they might be interested in contacting the YMCA. The Y offers a route to people in their position to play in intramurals legally. They seemed to lack the enthusiasm to pay the ten dollars dues to the Y.

The presence of this "ringer" team has caused a minor disturbance with the teams that have had to play them. There is a \$35 fee for the use of the Fargo Arena for each game played. Many teams feel it a waste of money to play a game that doesn't really count for intramurals.

Intramural Chairman for the SAE's, Johnny Theile, recalled the feelings in his house before their game with R-J.

"We weren't as fired up as we usually are for hockey games. "Since the other team had already forfeited the game we had nothing to gain and everything to lose."

Terry Beach, athletic director from Stockbridge, the only other dorm in the hockey league, could

not see R-J's need to bring in side players. "We had to forfeit our first game because we could not get enough players, since then we've had enough players every time."

Last Thursday night Stockbridge gave the ATO's a come-back ending in a 4-2 victory for ATO's. Stockbridge played only three substitutes. The ATO's are the only team to defeat R-J team, a 3-2 win in overtime.

There is some question as to why a dorm complex of over 100 men should have to go outside its dorm to get players. A check with the eligible players on R-J team sheds some light on this. Craig Bechtold and Mark Walters are two of the legitimate players on the team.

"The average player on our team played about 15-20 minutes," stated Bechtold. "Mark and I played about 5-6 minutes. That's all though. If you want to play hockey you can join a city league and go downtown on Saturday afternoon."

Intramural Results

TABLE TENNIS

Bracket No. 1	
Stockbridge	5-0
ATO	4-1
TKE	1-4
AGR	1-4
Sigma Nu	0-5
Bracket No. 2	
SAE	5-0
Sigma Chi	3-2
Farm House	2-3
Johnson	2-3
Ceres	1-4
Reed 1	0-5
Bracket No. 3	
Chem Club 1	5-0
NHR 1	4-1
Churchill	3-2
Johnson 2	2-3
SPD	1-4
Theta Chi	0-5
Bracket No. 4	
Johnson 3	5-0
Chem Club 2	3-2
NHR 2	1-4
Reed 2	0-5

BILLIARDS

Bracket No. 1	
ATO 1	5-0
Chem Club	4-1
AGR	3-2
Coop	3-2
Lettermen	3-2
Sigma Chi	3-2
Theta Chi	3-2
SAE	1-4
Reed 1	0-4
Johnson	0-4
Kappa Psi	0-5
Bracket No. 2	
Churchill Hall	5-0
ATO 2	4-1
History Club	4-1
SPD	4-1
Ceres	2-3
DU	2-3
Sigma Nu	1-4
Farm House	0-5
NHR	0-5
TKE	0-5

BASKETBALL

Bracket No. 1	
Kappa Psi 2	53
NHR 1	55
FFA	25
Theta Chi 1	76
Co-op	39
Sigma Nu	43
Bracket No. 2	
Lettermen	67
Churchill	59

IVCF
Delta Upsilon 1
MSA
Kappa Psi 3

Bracket No. 3
Johnson 3
Lettermen 2
Theta Chi 3
Chem Club 2
NHR 3
Stockbridge

Bracket No. 4
TKE 3
Ceres 1
NHR 2
Johnson 1
SAE 2
Churchill 3

Bracket No. 5
Ceres 2
Churchill 1
Johnson 1
Chem Club 1
Kappa Psi 1
Reed 2

Bracket No. 6
TKE 1
Reed 1
ATO 1
Stockbridge
Theta Chi 2
AGR 1

Bracket No. 7
Farmhouse
AGR 2
SPD
ATO 3
SAE 1
Sigma Chi

Bracket No. 8
AIIE
TKE 2
Sigma Chi 1
Coop 2
ATO 2
ASCE

BROOMBALL

Bracket No. 1
ATO 1
SAE
Sigma Chi
Theta Chi
Reed-Johnson
Lettermen
Stockbridge
TKE 2

Bracket No. 2
ATO 2
Churchill
AGR
SPD
Sigma Nu
TKE 3
Coop
TKE 1

HOCKEY

ATO
AGR
Reed-Johnson
SAE
TKE
Kappa Psi
Stockbridge
Sigma Chi

The intramural totals to include including volleyball, football cross-country:

Alpha Tau Omega
Sigma Alpha Epsilon
Theta Chi
Tau Kappa Epsilon
Sigma Nu
Churchill
Sigma Chi
Alpha Gamma Rho
Kappa Psi
Chem Club

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- Intramural billiards
- Co-ordinator of half-million dollar Public Health project for Standing Rock Indian Reservation

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Vote!
SCHROEDER - SELIG

buffalo chips

by Mitch Felchle

SWIMMERS DEFEAT SDSU

The Bison swim team defeated South Dakota State University 11-4 in a dual meet at Brookings, S.D., last Saturday. NDSU swimmers won 11 of 13 events and set two records while upping their dual meet record to 2 wins, 3 losses.

School records were established by Jeff Struck and by the 200-yard medley relay team. Struck lowered his own mark in the 200-yard breaststroke from 2:39 to 2:38.8 and also swam a leg of the medley relay team. The relay team set a record with a 4:16.1 time. Other relay team members were John Bartley, Tim Bourdon and Wayne Perlenfein.

Co-captains Tom Berg and Tom Swanson each won two events on the Bison and swam legs on the winning 400-yard freestyle relay team. Berg won the 50 and 100-yard freestyle events and Swanson came in first in the 200 and 500-yard freestyle events.

Other Bison winners were Bill Benson in the 1000-yard freestyle, Bourdon in the 200-yard butterfly, Bartley in the 200-yard breaststroke and Terry Miller in the 200-yard individual medley. Next meet for the swimmers will be this Saturday at Bemidji, Minn.

NORTH CENTRAL CONFERENCE WRESTLING

The North Central Conference may be the strongest College Division conference in the nation. Mankato State, South Dakota State, University of Northern Iowa and SU have all had great success in competition against schools outside the NCC.

Mankato State has lost only to Lehigh while recording big wins over Arizona (23-13), Army (17-16), Ohio U (20-12), Eastern Illinois (28-6), Georgia Tech (36-0), Louisiana State (37-2), North Carolina (26-5) and Illinois State (26-13).

South Dakota State has wins over the University of Minnesota and the University of Nebraska. Northern Iowa has beaten everyone except strong Michigan State, including a big win over highly regarded Purdue. The Bison are 7-2-2 after last weekend, including impressive wins over Concordia (35-2) and Moorhead State (30-5).

All four teams should be strong contenders for the North Central Conference title in about three weeks at Vermillion, S.D. The Bison have a big weekend ahead of them with afternoon meets (2 p.m.) Friday and Saturday against the University of South Dakota and Morningside College, respectively.

LAST CHANCE FOR CAGERS

If Bison basketballers are to make a strong showing in the NCC this year, they must win both their home games this weekend. Friday night the Bison play the tough University of South Dakota Coyotes and Saturday they face Morningside. The Coyotes, with two losses in the NCC already, desperately need wins over SU and UND this weekend. The Sioux play the Coyotes Friday night and switch opponents with the Bison on Saturday.

The Jackrabbits from South Dakota State are bounding high with a 9-1 conference record following their big wins over UND and SU last weekend. The South Dakotans have won 15 of their last 16 games and will be very difficult to dethrone as NCC champs.

Augustana may have killed the Sioux title hopes with their surprise win over the Sioux last Friday. UND lost again the next night to South Dakota State, giving them three losses in the NCC.

BOTTOM OF THE PILE

Augustana Coach Ed Stevens may have used a revenge motive to get his players fired up against the Bison last weekend. . . . Before the game, Stevens commented, "North Dakota State stayed with five or six guys for the entire game and really stuck it to us good up there — our guys won't forget that Saturday night." That fieldhouse record the Bison cagers established in beating Augustana 116-92 here may have been costly. . . .

Mankato State's swim team looks like the favorite to take the title in the first official NCC swim meet. . . . Mankato is 9-1 on the year, including a big triangular win over Winona State and Northern Iowa. . . .

The second SU monopoly tournament was over in a hurry for "easy" Butch Molm. . . . Molm finished last again in record time. . . . we're always looking for new contestants — anybody have any angles on a good financial advisor? . . .

Bison swimmer Bill Benson recently did an article for his communications class in which he coined two new names for the Bison swim team — aqua-jocks and water buffalo. . . . thanks anyway, Bill. . . .

The SU track team has a couple tough opponents in their triangular meet this Saturday at Mankato. . . . the Bison tracksters will go against Mankato State and St. Cloud State. . . .

Attention all sports writers: We need fresh blood for next year to replace us has-beens. Apply at the Spectrum office.



Stockbridge goalie Rilie Morgan makes one of his many saves in an intramural hockey game last week. Morgan couldn't stop all the shots and the ATO's won the game 4-2. (Photo by Loberg)

Wrestlers Meet First Loss

The Bison went 1-2-1 in a dual meet last Thursday night and a Quadrangular Saturday. The single Bison victory was 31-3 mismatch against Northeast Missouri.

Winona, ranked sixth in the NAIA, handed SU its first defeat of the season in a close 19-14 match. The match saw previously undefeated Bill Demaray and Brad Williams lose their first encounters of the year.

Williams was pinned in the third period by Jim Tannehill. Tannehill placed in the nationals in both the NAIA and the NCAA last year.

Sam Kucenic was the only member of the team to win all of his matches. Kucenic won by decision four times to bring his season record to 10-0-1.

"Ken Tinquist was our outstanding wrestler for the week," said Coach Bucky Maughan. "His only loss of the week was to Reiland of UNI."

Reiland placed second in the national college division last year and sixth in the university division.

Demaray won three decisions in the quadrangular to raise his season record to 10-1.

"We wrestled UNI first in the quadrangular," said Sam Kucenic. "After the tie we were down going into our match with Upper Iowa. If we had wrestled Upper Iowa first the outcome might have been different."

Upper Iowa defeated SU 21-14 after tying UNI 15-15. UNI narrowly beat Upper Iowa in their third match of the day, 17-15, on the strength of heavyweight Mike McCreedy's 8-4 win.

McCreedy decided Marv Mortenson 5-0 to set the stage for the upcoming conference tournaments.

"I feel Mortenson can handle McCreedy," said Kucenic, "the match was a lot closer than the score shows."

The Bison record is now 7-2-2. This weekend they wrestle USD and Morningside. Due to the basketball games the matches will be at 2 p.m.

WINONA 19, SU 14

- 118—Ron Oglesby, Winona, decided George Dugan, 8-4
- 126—Sam Kucenic, SU, decided Dave Oland, 3-2
- 134—Ken Tinquist, SU, decided Pete Edwards, 7-4
- 142—Mike Doody, Winona, decided Lynn Forde, 9-8
- 150—Dave Ahonen, SU, decided Pete Sandbury, 7-1
- 158—Jim Tannehill, Winona, pinned Brad Williams, 7:00
- 167—Bill Hitesman, Winona, decided Bill Demaray, 8-2
- 177—John Beatke, Winona, decided Jake Cadwallader, 5-0
- 190—Tom Lowe and Ron Moen drew 1-1
- HWT—Marv Mortenson, SU, decided Leo Eckerman, 9-3

SU 15, NORTHERN IOWA 15

- 118—Dave Nichol, Northern Iowa, decided George Dugan, 11-2
- 126—Sam Kucenic, SU, decided John Moeller, 9-2
- 134—Marv Reiland, Northern Iowa, decided Ken Tinquist, 6-4
- 142—Lynn Forde, SU, decided Mark Sothmann, 5-3
- 150—Dave Ahonen, SU, decided Dave Balzanz, 5-0
- 158—Clint Young, Northern Iowa, decided Brad Williams, 5-1
- 167—Bill Demaray, SU, decided Bob Boeck, 11-2
- 177—Jake Cadwallader, SU, decided Frank Cordaro, 10-2
- 190—Mike Allen, Northern Iowa, decided Tom Lowe, 3-2
- HWT—Mike McCreedy, Northern Iowa, decided Marv Mortenson, 5-0

UPPER IOWA 21, SU 14

- 118—Dugan, SU, decided Dwaine Burkholder, 11-2
- 126—Kucenic, SU, decided Bob Wright, 4-1
- 134—Tinquist, SU, decided Dennis Ingvall, 7-0
- 142—Dennis Daker, Upper Iowa, pinned Forde, 7:54
- 150—Bruce Sigler, Upper Iowa, decided Ahonen, 8-4
- 158—Lowell Tiedt, Upper Iowa, decided Williams, 1-0
- 167—Demaray, SU, decided Al Krumilinde, 9-0

- 177—Craig Dunlap, Upper Iowa, and Cadwallader, SU, drew, 3-3
- 190—Dave Sanger, Upper Iowa, decided Lowe, 12-2
- HWT—Steve Exline, Upper Iowa, pinned Mortenson, 3:55

SU 31, NORTHEAST MISSOURI 3

- 118—Dugan, SU, decided Steve Johnson, 10-2
- 126—Kucenic, SU, decided Bob Wright, 4-1
- 134—Tinquist, SU, Pinned Harry Brown, 7:37
- 142—Forde, SU, pinned Matthew Stallings, 5:55
- 150—Ahonen, SU, decided Roger Hoddap, 5-0
- 158—Williams, SU, decided Steve Miller, 6-2
- 167—Demaray, SU, decided Dan Klien, 3-2
- 177—Stan Huggins, Northeast Missouri, decided Cadwallader, 5-4
- 190—Lowe, SU, decided John Sticht, 7-3
- HWT—Mortenson, SU, decided Rich Beard, 10-3

MINDS OF THEIR OWN

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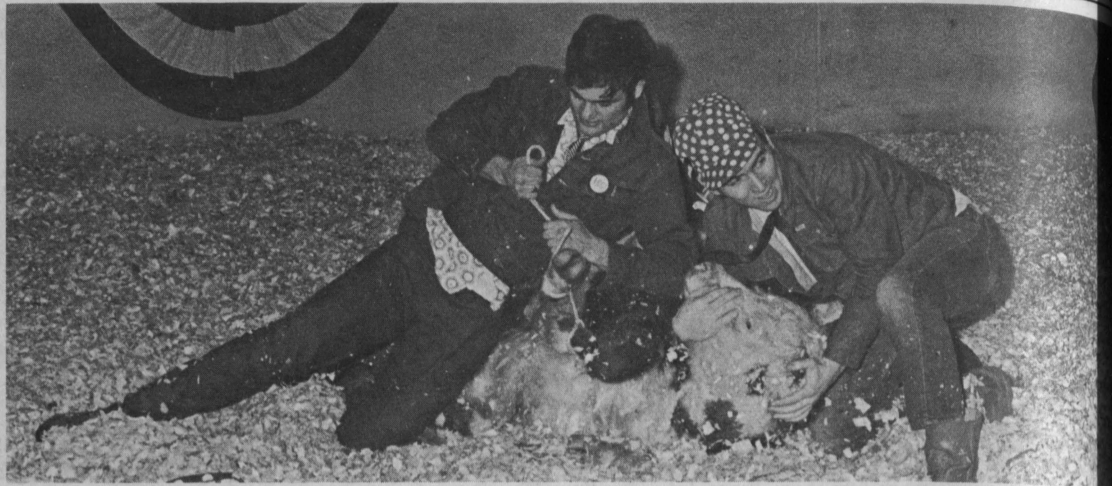


7:00
to
1:30
P.M.



CABARET

TRYPH



Two unidentified contestants attempt to corral a calf in the Fraternity Calf-Tying contest.

(Photo by Caspersen)

NDSU Hosts Little International

The 44th Annual Little International got underway with the Hall of Fame banquet held in the Resident Dining Center last Friday. Fred G. Ehlers, a farmer-rancher and conservationist from Hettinger, was honored as Man of the Year in Agriculture. Ehlers' portrait will be placed in the gallery of men honored by the Saddle and Sirloin Club at Sheppard Arena.

The high school FFA and 4-H Livestock Judging Contest began on Saturday morning with teams from North Dakota and Minnesota participating. The teams judged six classes of livestock, two each from beef, sheep and hogs.

A crop judging contest was also held. A traveling trophy was awarded to the top team as well as individual trophies for the top three individuals.

The swine showmanship contest was divided into three classes; durocs, chester whites and hampshires. Judging swine was Keith Bjerke.

Champion showman in the duroc class as well as overall champion in swine was David Schwalbe of Killdeer. Brian Ross took top honors in the chester white class and Donald Zimprick in the hampshire class.

The dairy show, was divided in-

to a holstein and brown swiss classes. Champion showman in the brown swiss class was Bob Quinlan. Shirley Ehlers captured top honors in the holstein class as well as the overall championship showman in dairy cattle.

The beef show provided the keenest competition between contestants because of the large number of entires. Some 34 contestants took part in this year's show.

Honors in this show went to Dwight Noltimier, shorthorn, Danny Hoffman, angus and Kent Albers, herefords. Albers received the overall champion showman award in the sheep division.

Grand Champion Showman over the Little International was Shirley Ehlers. The reserve and grand champion from each division competed for the honors.

Special events were also held in conjunction with Little I. Eight clubs set up exhibits in Sheppard Arena.

A greased pig contest, pitted sorority girls against little greased pigs, was won by the Kappa Theta Thetas.

The calf tying contest was held at Churchill Hall, the only greek segment taking part in the contest.

An agricultural engineering show, sponsored by the American Society of Agricultural Engineering Student Branch, was held in the Ag. Engineering building. Various displays and exhibits pertaining to agricultural engineering were shown.

Little International was first held at NDSU in 1926. It is named after the International Livestock Exhibition held in Chicago. The predecessor to Little I was an annual livestock judging contest held by the Animal Science Department.

Janine Pfeiffer was crowned Queen of Little I by Saddle and Sirloin.



Several contestants preen their sheep in preparation for competition in Little-I.

(Photo by Caspersen)

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Judging Team Takes First

The NDSU Junior Livestock judging team placed first in beef breeding cattle at the National Western Livestock show in Denver, Colo.

The National Western Show held Jan. 16-24 is one of the

largest livestock shows.

The contest had 19 teams participating. SU finished 11 overall besides being high beef judging team, it was second in sheep and sixth in carlot judging.

The team coach is Asst. Prof. John Johnson. The team consisted of Ronald Wollmuth, Allan Meyer, Wayne Trotter, Dan Hoffman, Allan Frey and Ken Eras. Wollmuth placed high individual in sheep judging.

The team stopped at SDSU to judge quarter horses and then to the University of Nebraska in Lincoln to judge horses, market steers and market lambs en route to Denver.



KONEN CAB

2 - 357 - 357

GOOD WIFEKEEPING

by Corrine Henning



I finally found the reason why West Court gets the blizzards and snowdrifts so badly. According to Professor Engel, it's because the faculty live on the better side of town — with sidewalks, and the peasants out here naturally receive the worst of the weather.

As of Friday, Kim Osteros was the only one filing for married student senator. That may be a good thing so the vote won't split (and it's hard to split 150 votes, if voting is like last year).

On the other hand, only one married student candidate brings to mind that famous attribute that NDSU married students are particularly famous for — APATHY. To think that out of over 1000 students, only one has mustered the courage to run for the position.

There's still a possibility that we may have more than one senator for married students next year. I'm wondering how it will look if Senate sets up a special election and can't find anyone to run.

I'd like to voice my support for Ted Christianson. Ted is a married student and he's running for Senator from the off-campus district. All you off-campus married students (all 1000 of you) would do well to vote for Ted. Not only would you be electing a married student to senate, but a very conscientious and concerned man. (Ted is not running with SDS, contrary to popular misconception).

Ted is a counselor in Project Catch-up, is active in Debate, a member of Pi Kappa Delta Speech honorary Society, a member of Phi Delta Kappa Education Honorary Society, member of Business Economics Club, editor of Business Prospectives, (the Business Econ newspaper) is an ex-marine, and is married (his chief qualification?)

★ ★ ★

The editors of *The Voice* will be moving in June, so MSA is looking for a couple to take over the editorship. The paper comes out twice a month. The job of editor includes gathering news, soliciting ads, laying out the paper, taking it to print, picking it up and helping fold, staple and address the copies to be mailed off-campus. In addition, the editors find themselves designing the ads and writing the copy. It's a lot of work, but is worth it because several married students have actually had the courage to try they appreciate the paper and really read it. MSA pays \$20 a quarter to the editor.

The paper was enlarged this year. It is possible that if no one is willing to continue the present size of the publication, it may return to the one-sheet monthly account of MSA meetings. I'm sure all married students would agree this would be a misfortune.

If profits from the ads continue to come in at the present rate, MSA may even be convinced to pay the editors more than they are presently receiving. It's a thought, anyway.

MSA hopes to find someone to start sitting-in on the compiling sessions for a few issues this spring before taking it over alone next fall. Any background in newspaper work, or communications courses would be a real help but aren't essential.

Call Skip McCright, Mayor of MSA if you're interested. Let's remember to VOTE! Bring your student activity card and another form of identification.

ENGINEERS

A representative from the Jervis B. Webb Company will be on Campus.

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Livestock Judging -- An Unnoticed Team

by Dale Roemmich

Among the most unnoticed teams on the NDSU campus are the teams that compete in the national livestock judging contests.

These teams consist of men or women who have taken Animal Science 319 fall quarter of their junior year. This course consists of two three-hour labs per week, with students judging two classes of livestock each lab.

From this class, consisting of about 60 students, members of two junior judging teams of six to seven members each, are chosen. One team will participate in a judging contest at Denver, Colo., and the other will go to Fort Worth, Tex.

Animal Science 406 is offered spring quarter for anyone who has taken 319 and desires to try out for the senior judging team.

From a class of about 25 students, ten are asked to take Animal Science 407 fall quarter of their senior year. From this class,

six or seven members will be chosen to comprise the senior team that competes in the National Barrow show in Minnesota, the American Royal in Kansas City and the International Livestock Show and Exposition in Chicago.

The senior team practices eight to ten hours per week plus extra time on their own. They may judge livestock belonging to the University or travel to various livestock breeders around the state and judge animals on their farms.

Members are chosen on the ability to judge all classes of livestock including beef cattle, hogs, sheep and horses and public speaking ability for giving oral reasons.

The teams are coached by Bert Moore, instructor in animal science. He is assisted by John N. Johnson and Merle Light.

According to Johnson, one of the main reasons for judging livestock is to teach students the value of good livestock.

"It helps students determine choosing the type of animals they desire and then defend their selections with oral reasons," said Johnson.

"It is never possible to say that one person is absolutely correct in placing a group of animals as there is really no set pattern that we can follow to determine what is right. It is mainly personal opinion," Johnson added.

Over the years, livestock judging teams from SU have won

every major contest except the American Royal at Kansas City.

"Compared to the top three teams, Iowa, Kansas and Oklahoma State, we do very well in the contests with a lot less practice," said Johnson.

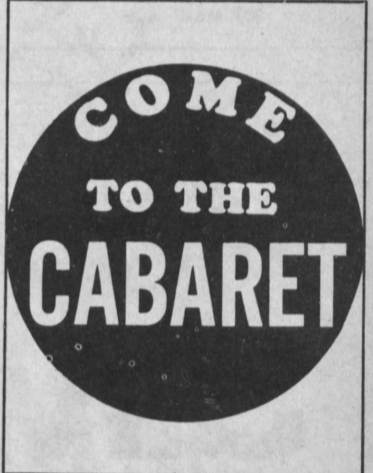
A junior team recently returned from Denver where they placed 11 of 19 teams entered. They took first in breeding beef and second in sheep classes.

"What you need to win," said Johnson, "is five boys who place the classes the same way and then place them the same as the group of judges who set the official placings."

Each contest consists of 12 classes of livestock; four of cattle, three of hogs, three of sheep and two of horses. Judges are required to give eight sets of oral reason in a contest.

social spectra

Pinning
Sue Nelson and David Bertelson
Engagements:
Cindy Markestad and Dick Jenson
Jane Grant and Charles Shambaugh
Sandy Weber and Dave Johnson (Minot)
Sandra Stromme and Tom Ulmer
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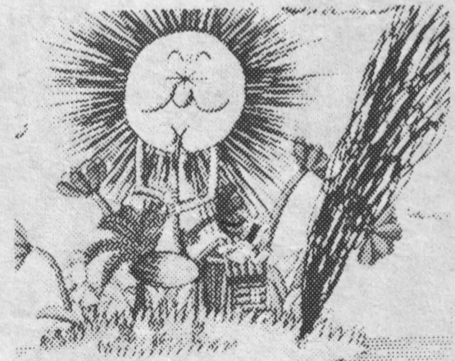
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- MARIE ET LE CURE Paris
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From the Preview:

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Vincent Canby, THE NEW YORK TIMES

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Louise Sweeney, THE CHRISTIAN SCIENCE MONITOR
"The show was extraordinary... delightful, exhilarating, deeply moving. Congratulations, gratitude, huzzas, three cheers and a tiger."

Benjamin Forgey, THE SUNDAY STAR, Washington, D.C.

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A Preview

Camerata Singers To Perform Tonight

by Paul Erling

The Camerata Chorale is presenting an excellent program tonight in Festival Hall at 8:15 — probably the best choral concert on campus during the year.

The numbers to be presented are from a wide range of periods and styles, a combination which will be valuable experience as well as lively, interesting enter-

tainment.

Songs by the Renaissance composers DiLasso and Passereau, and work of the Romantic Period's Offenbach will compliment works by Leonard Bernstein and Negro spirituals.

Mozart's powerful **Requiem in D Minor** will be contrasted by Jewish folk melodies arranged by Abraham Kaplan, the Camerata

Chorale's conductor.

This lyceum concert should have enough variety and substance to please any adult. Even those students who feel they might not enjoy a "longhair" concert or have been bored by previous presentations. For musicians and serious music enthusiasts, the Camerata Chorale promises to be well worth the time.

Tickets are free with an activity card — or rather, NDSU students have already paid for the tickets — so take advantage of this music opportunity.

Sexy Hustlers Needed For Blue Key 'Cabaret'

Never before produced by an amateur troupe, **Cabaret**, a smash Broadway hit, will be produced by Blue Key Fraternity. Tryouts are Feb. 17-19.

The production is described as "bawdy, frivolous, titillating, raucous, glittering and frenzied," according to director Marilyn Nass.

Containing an extraordinarily large number of roles, the play includes more than just a few leads.

"There are a lot of lead parts for both men and women," said Miss Nass, "including a very large men and women's chorus."

"What we need is girls who can look like hustlers from a 1929 German cabaret," said Miss Nass. "That's the flapper era."

"The girls should be sexy and well endowed, but suitable assistance in the latter department can be provided. We wouldn't want a girl to fail to try out simply because she wasn't built right."

Male parts include several leads and patrons or waiters in the cabaret.

"In addition to tenors, baritones and basses, we could also use straight actors, whether or not they feel they can sing," said Miss Nass.

In the story, an American novelist goes to Berlin in search of

material for his first novel. **Living in a rooming house, he tends a German dance hall (cabaret). The story revolves around him, the inhabitants and one of the boarding house, and several romantic alliances which set up and broken.**

"Students who hope to play a role," said producer Jim Zeigler, "are encouraged to try out the first two nights rather than wait for the final night."

Tryouts are scheduled 6:45-10 p.m. in Festival Hall.

Wind Ensemble To Play Sunday

The NDSU Wind Ensemble, conducted by Roy D. Johnson, will present its second concert Sunday, Feb. 15, at 8:15 p.m. in Festival Hall. The concert will feature the Symphony in B-flat for Concert Band by Paul Hindemith.

Hindemith was one of the most composers of the first half of the twentieth century, and this symphony is one of the most important of his works; it is one of the most difficult compositions in the wind repertoire.

Also on the program will be the Lincolnshire Posy by Percy Grainger, a setting of six songs from Lincolnshire; the Celebration Overture by Paul Creston and Suite of Old American Dances by Robert Russell Bennett.

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TRYOUTS

Tryouts for **Oh, What A Lovely War**, a musical comedy, will be held at the LCT, Feb. 16-18 from 7 to 9:30 p.m. Performance dates are April 8-11. Dr. Russell will direct.

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Blizzard Barrage Only Excuses To Miss Film Series

Paul Erling

There are three possible excuses for not attending "The Kinetic Film Series, which begins on campus tomorrow night: (1) a nuclear holocaust in your immediate vicinity, (2) a simultaneous arrival of the 1970 Blizzard of the Year or (3) sudden, physical illness (such as an accident with the campus side-snowplow).

This three part series presents a fascinating sample of the latest developments in creative cinema. Each of the programs will present a diverse group of animated, experimental, pop, documentary and dramatic short films — more exciting variety than the Little League national, more sex than the average basketball game and less

cost per minute than any movie showing downtown. What else can an NDSU student desire?

Judging from the critic's preview, these films exhibit — at the least — innovative technique. At their best they show a real concern for complete, careful statement. The quality (not the length) of the films is the primary concern. They range in length from 55 seconds to an hour, and in the manner of some exotic dancers, "every movement has a meaning."

The meaning may simply be investigation of the theater screen as a huge canvas for explosions of color and light. Two films by the American Jordan Belson develop this theme.

The meaning may be deep and

reflective probing of human thought and experience, such as "Cruel Diagonals," a Yugoslavian film which watches a small boy's encounter with terror on a bleak morning in 1943.

Satiric, unexpected or animated humor provides the framework for still other films. For the socially inclined, one film includes Michael Caine, Julie Christie and Mick Jagger and the Rolling Stones discussing night life, the present and seduction.

The Belson "cinema painting," which begin and close the festival, state an emphasis of the editors: visual expression as a paramount concern. These are the only American movies in the set. The rest represent works of 16 leading film makers from England, Italy, Czechoslovakia, Hungary, Japan and Germany. Many need no sub-titled translations: the universal language of visual form, music and human expression communicates completely.

And, very important, the SAB Film Committee can at last provide not only a good film but al-

so a decent place to show the film. In a brilliant move, the committee will rent Stevens Hall Auditorium for these three Kinetic Art shows. Perhaps now the viewers' senses can be centered on sound and light instead of painful posteriors and craned necks.

The programs will be shown on three consecutive Fridays: February 13, 20 and 27. Save some weekend hours for these film shows. The cost is small and the times (7:00 and 9:30) conveniently leave space for other weekend activities. Go early and escape the inevitable rush at the Biology Auditorium.

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Environmental Teach-In Set

The National Environmental Teach-In, set for April 22, gained momentum in the Fargo-Moorhead area last week. Action committees were formed at an NDSU organizational meeting in response to the suggestion of Sena Gaylord Nelson (D-Wis.)

Purpose of the teach-in is to inform people of national and local environmental issues, using well-known speakers to bring attention to the problems.

Student committees formed will maintain a speaker's bureau, coordinate local, regional and state-

wide activities, and maintain an environmental resource center.

Project advisor is Dr. Robert Burgess, professor of botany, and student chairman is Robert Oetting, NDEA fellow.

Co-chairman Gerlad Henrickson said the teach-in would permeate Fargo-Moorhead Colleges, high schools and junior highs, civic organizations, churches and industrial groups.

Next meeting of the group is set for Tuesday, Feb. 17, at 8:30 p.m. in Room 329, Stevens Hall. The public is invited.

MINDS OF THEIR OWN

Schroeder

-- Selig

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RICHARD GOLDSTEIN, N. Y. TIMES



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Written by PETER FONDA · DENNIS HOPPER · TERRY SOUTHERN
Directed by DENNIS HOPPER
Produced by PETER FONDA
Associate Producer WILLIAM HAYWARD
Executive Producer BERT SCHNEIDER
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and ADVENTURE BEGINS
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HE MADE EVIL AN ART, VIRTUE A VICE
AND PAIN A PLEASURE!

SAMUEL Z. ARKOFF and JAMES H. NICHOLSON present
KEIR DULLEA
SENTA BERGER
LILLI PALMER
starring in

de SADE



"Do all your desire dictates. Imagination is the only truth."



"Love is merely a disposition of the organs...nothing more."



"I cannot corrupt that which is by nature already corrupt."



Persons under 18 not admitted



IN COLOR

1:15-3:20-5:25-7:30-9:30

NOW SHOWING

'Man Endangered Species' Scoby

by Mark Gullickson

Man is on the endangered species list, according to Dr. Donald R. Scoby, assistant professor of biology.

"We're not only on our way to destroying large numbers of human beings, but well on our way to destroying the whole species," said Dr. Scoby.

His speech, "Man and His Efforts to Destroy Himself," was delivered during a Science Teachers Conference sponsored by the Education Committee of the North Dakota Academy of Science, the North Dakota Science Teachers Association and the Division of Natural Sciences at NDSU.

"To me there is just one main problem, population. All of the other problems involving pollution and our environment center around overpopulation," Scoby stated.

"The population doubles every 75 years in developed countries and every 30 years in underdeveloped countries."

Scoby said, visualizing the magnitude of the problem, "If the present trend continues, there will be 60 million billion people or 100 people for every square yard of space by the year 2900."

"The population grows geometrically, while food production only

increases arithmetically. Since the food supply cannot possibly keep pace with the growing population, we will either have to let people starve or else change our utilization of the food chain.

"Instead of eating food produced by middlemen such as hogs and cattle, we will have to start at the bottom of the food chain and eat phytoplankton," maintained Scoby.

He continued that phytoplankton in the oceans produce 70 per cent of the oxygen we breathe by photosynthesis. The other 30 per cent comes from land plants.

"But, what are we doing? We're polluting the oceans with industrial wastes, sewage, pesticides, and detergents in addition to paving one million acres of land each year. None of these things are exactly conducive to photosynthesis."

"Man is going to have to change the cycle of people, progress and money if he wants to save his environment. He can not continue to exploit his surroundings," added Scoby.

To control pollution, Scoby urged changing or eliminating pesticides, especially DDT.

According to government meat regulations, humans are unfit for consumption because we contain more DDT than the government allows for beef."

"Of the 500,000 compounds made by man, we only know what 10 per cent of these are doing to nature. We must only use tested compounds which break down in nature," he added.

"Human and industrial wastes, trash and motor vehicle fumes will have to be treated and returned to our environment as pure as we found them."

"We can treat the symptoms, but we must get to the source. The source is overpopulation," Scoby warned.

To solve the problem of overpopulation, Scoby advocated genetic counseling, limiting families to two children, legal abortions and male sterilization after obtaining sperm for future use. He suggested that incentives for large families on the welfare programs be eliminated.

"We must change our attitudes toward burial also. Instead of being buried in concrete and steel coffins, we must accept the ideas of cremation and recycling after death. What could be better than becoming a pine tree overlooking a quiet lake?" he asked.

"Everyone, ecologists, sociologists, engineers and common people must get together, hammer things out and come up with solutions concerning land usage. We must live with nature rather than against it," he stressed.

Scoby challenged the audience of 100 persons by asking, "Are you helping with the solution or are you a part of the problem?"

Final Exam Stand Clarified By Policy And Planning

Clarification of final examination recommendations was made last week at the meeting of the Arts and Sciences Student Policy and Planning Committee.

According to one of the committee members, instructors in A&S sometimes feel they are in danger of administrative trouble if they do not schedule a final examination.

"It doesn't make sense to require a final in every course," said member Duane Lillehaug.

A differentiation was made between final exams and the last test of the quarter.

"A final examination is a tool for reinforcement to cause students to review all of their material for one comprehensive test," said Mark Voeller, committee chairman.

The reason for recommending that final week be retained, according to the committee, was that some faculty members were moving a comprehensive final into the last week of regular classes. This practice, it was felt would cause a student to concentrate on that one test, to the detriment of his other classes during the week.

The committee passed a recommendation which would allow each instructor to determine whether his class required a comprehensive final. The recommendation will now go to the faculty policy and planning group in A&S.

Discussion of the A&S teacher evaluation was also conducted. The evaluation, to be held only within the college, is to be administered by students, but will have faculty and administrative assistance.

Present plans call for an evaluation to be held late this month, according to Voeller. Preliminary work has already been accomplished, and the group awaits the time and materials to carry out the plan.

Students Buy Food Service

Washington — (CPS) — Federal City College students got tired of what they considered poor food service at the college's cafeteria. So they bought it.

The Student Government Association (SGA) sponsored a cabaret and car raffle in December and used the funds to buy the cafeteria from the Servomation Co. Student-operated food service began Jan. 12.

While Servomation continues to operate vending machines in the cafeteria, the SGA has hired a staff to prepare all hot and fresh foods. And the prices have been reduced.

Operating as a non-profit corporation, the SGA also runs a campus barber shop and plans to open a student-run snack bar.

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SPECTRUM CLASSIFIED ADS

Rates: 5c per word with a minimum charge of 50c. Cash in advance, no credit will be allowed. Deadline is 8 p.m. Sunday. Ads may be brought to The SPECTRUM office, 2nd floor Memorial Union, or for information call 235-9550.

FOR SALE

Coin collection for sale! \$125 face value. Call 232-7729.

For Sale: '63 Plymouth V-8, Auto Trans. Radio. Good condition. New tires! \$500 phone 237-8231. Stockbridge 234.

For Sale: room and board contract. Weible Hall. Call 237-8375.

Three Burgum dorm contracts. Call 237-7355 or 237-7343.

FOR RENT

Room — Two bedroom N. 11th St. Carpeted, garage available. No singles. 237-5517.

Room for rent for men. Across the street from Library. With cooking facilities. Call 237-3623.

PERSONALS

Mike: Thanks for the immortal support. My henchmen will pass you by Horst.

WANTED

Wanted: Persons who would like to form rock band. Call 237-8451 ask for Brad.

Individuals or groups to play for coffeehouse. Call 235-9550 and leave name and number for Bill.

Guys and Gals needed for sales work at NDSU. Good Pay. Ask Bob Stover 1144 College St. 232-8919.

Go-Go Girls for Churchill Dance. 9 to 12 p.m. March 13. Pays \$25.00. For details call 237-7987 or 237-8168.

NEEDED: Competent, aggressive, advertising salesmen. Excellent part time pay, and excellent experience, for future job. Room for advancement. Must have car. Apply at Spectrum office, Union.

WILL DO

Will do babysitting days or evenings. Call 235-9609.

Experienced child care, my northside home. Call 232-4584.

MISCELLANEOUS

Anyone driving to California for Quarter Break. Two girls willing to share expenses. Call 237-8362, ask for Marti or Jane.

Arg! Arg! Arg! Dittus Does it. Roger Dittus, Fraternity District.

Auctioneer: Dick Steffes; Licensed & bonded. 1250 12th St. 6. 235-7533

Free beer in the Union, courtesy of Stan and Terry.

FREE CATALOG (Headshop on wheels) — Psychedelic delights, jewelry, headgear galore. P.O. Box 534, Phila., Pa. 19105.

THE PROFESSIONALS

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<p>HAROLDS OPTICIAN'S INC. 105 Broadway, Fargo 232-3258</p>	<p>Dr. Fred E. Comstock CHIROPRACTOR 1360 10th St N. Phone 237-5517</p>
<p>Dr. L. A. Marquisee OPTOMETRIST 57 Broadway 235-7445 CONTACT LENSES</p>	<p>DR. MELICHER Optometrist Telephone 232-4253 1st Ave. & Roberts Street Fargo, North Dakota CONTACT LENSES</p>
<p>DR. TILLISCH OPTOMETRIST HOLIDAY MALL, MOORHEAD Eyes Examined Glasses Fitted Contact Lenses Phone: 232-2058</p>	<p>DR. M. A. BURSACK OPTOMETRIST Contact Lenses BLACK BUILDING, SUITE 502 Phone 235-8727 Fargo, N. Dak.</p>

MAIL TO:

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You're A Good Man, Schroeder

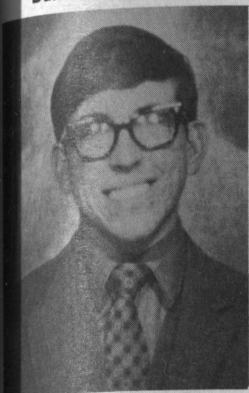
Vote!

SCHROEDER - SELIG

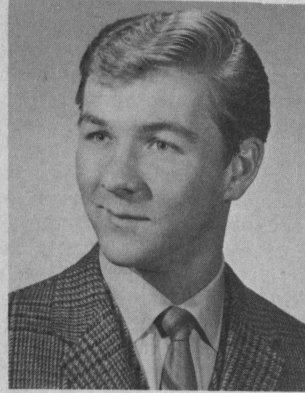
SENATORIAL CANDIDATES

Continued from Page E-2

Dan McDermott



Roger Dittus

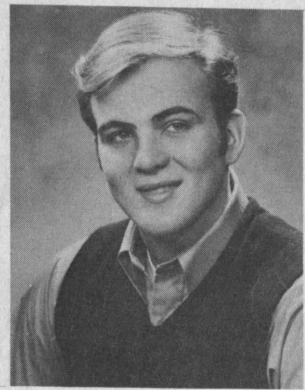


NORTH WEIBLE

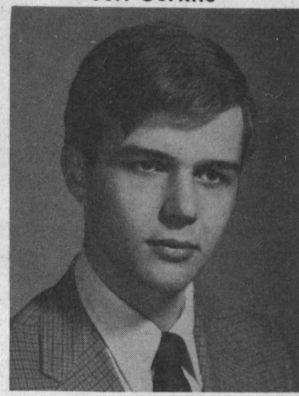
No candidate has filed for this seat as of 4:30 a.m. last Monday.

OFF CAMPUS

Ted Christianson



Jeff Gerkhe



to anyone about any campus or University-related problems. I realize that we do need change in many areas. Some of these are:

1. Requirements for living off campus for both men and women.
2. Requirements of University Food and Housing Contracts.
3. The organization of the intramurals program.
4. More voting power on Faculty Senate.

Yes, we do need change here at NDSU. I hope to have the opportunity to help initiate that change by being elected to the Student Senate.

Intramurals should be put under the direction of the Dean of Students or some other administrative office which would set up as an equally important activity, instead of the present system which has intramurals and athletics who seem to treat intramurals as secondary.

The SU thought for 1970-71 is change. Teacher evaluation, proposed expansion of Union facilities, SU 75; all represent the growing metamorphosis happening on our campus.

Evolving along with these changes has been a rebirth of student government. The past year has revealed Student Senate as alive and functioning at SU. Gone is the past pseudo-image of student government, a body now responsible and sensitive to the needs of students and university.

Student senate will next year inherit a number of issues placed before present senators. Senate willingness to "do things" for students will be of monumental importance. As a senate aspirant, I possess a sincere desire to do this something for the constituent student body. "Dittus Does It" represents action. It represents an attitude necessary for an active student government. I ask your support Tuesday, enabling me to begin doing for the students of SU.

It has often been thought that the purpose of undergraduate education is to bring the student up-to-date with the intellectual achievements of his culture, to enable him to go on from the college to the grand common adventure of developing that science, that practical wisdom, that taste which modern community still has in such small measure.

The theme I am proposing here is that the University must find ways to have its students cross the frontier in some measure so as to mingle more actively — while they are students — in the going concerns of the University. Our professors labor with distinction in all kinds of civil enterprises and often are able to take their students along with them. But we do this in a series of special ventures, and not as a regular thing. What we need is a progressive student government representative, who will systematically and directly bring students, as they are primarily occupied with their university education, also in direct engagement with the formation of academic policy. A student senator must be able to communicate with students as a learner, before he can proceed positively.

North Dakota State is an expanding University with an expanding student body. Like all Universities, it has financial, academic and social problem areas which directly or indirectly affect each individual student.

The Student Senate, in the best interest of the University and the student body, must deal carefully and constructively with those problems.

Specifically, (1) the more equitable distribution of Senate representation, (2) the development of the 4-H program, (3) the furthering of the pass-fail opportunities and (4) an honor roll publication of the teacher evaluation results, are a few of the problem areas I am concerned with.

My platform consists of a program to study these problems in depth and to promote and support Senate resolutions which will lead to positive solutions.

REED HALL

Joel Galt

I'm running for Senator from Reed Hall. I will try to represent the residents to the best of my ability. I would also try to get the students involved with the groups available at the University in an attempt to keep them here on the weekends.

There are a few practices that I would like to see changed at this school. One of them concerns the sending of the grades home. I believe they should be sent directly to the students at their school address. Another change is the one concerning the representation that graduate students deserve. They are deprived of all extra curricular activities available to the undergraduate students on their activity tickets.

DINAN HALL

Loretta Olienyk



HERINGER HALL (MOBILE HALL)

Jennifer Innes
Bob Holm

(No statements submitted.)

JOHNSON HALL

Kenneth Frey

I feel that a senator should first of all do his best to represent those in his district. After having been president of Reed-Johnson Halls, I believe that I can very adequately serve as senator from this hall.

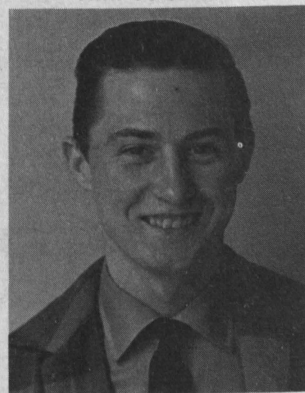
A senator, in my opinion, must do his utmost to present the ideals and ideas of his supporters and to advance the University as a whole.

Jim Deutch



MARRIED STUDENT HOUSING

Kim Osteros



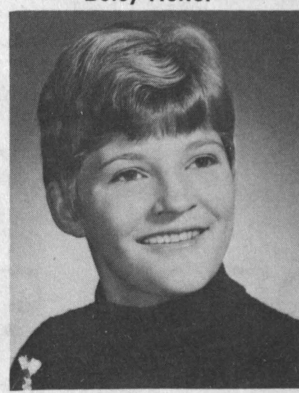
Student Senate should have final say on whether the 4-H addition to the Union will be accepted, and if accepted, what terms will be put on it by the 4-H people. I would like to see the SU 75 program pursued with more enthusiasm by students.

Campus parking regulations should be changed to allow anyone the right to park anywhere in school lots. Why should the faculty have a fourth of any lot reserved for them? I would like the lots on a first come, first served basis.

It is also time to have the south bleachers of the football stadium open to all general admissions, no reserved seats. Let the faculty wait in line with the students two and a half hours before the game to get a "good" seat.

I would like to see the teacher evaluation committee back in action and this time, publish its findings for all.

Betsy Heller



I think more research should be done on teacher evaluation before results are given to anyone. More investigation on the National Student Buyers Association fraud ought to be done. Because I am running from off-campus, I would like to see an organization for off-campus people so they can voice their feelings to the off-campus senators, who can in turn go back to the Senate.

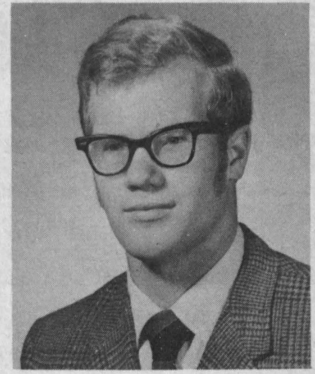
Jeff Miller



Making rash statements and wild promises is not my way of running a campaign.

I am running for Student Senate from the off-campus district and I will only promise to represent them to the best of my ability. If I am elected I will speak for the off-campus student and will always be willing to listen

Robert Wilmott



The dorm residents should be getting the type of representation they deserve. There are several issues which now face the dorm. One of these issues is the present intramural program. There is a conflict of interest between the dorms, student organizations and the fraternities as to the proper way to organize the intramural program.

Having spent the past two years in student government, one year as intramural chairman and this year as a floor chairman, I can help to solve the intramural problem and the other issues which now face the dormitories.

(continued on page E-4)

FRATERNITY

Tim Beaton

forward with all possible speed and caution — a progressive quo.

VOTE ON FEBRUARY 17! TUESDAY IS IMPORTANT.

VOTE ON FEBRUARY 17! TUESDAY IS IMPORTANT.

SENATORIAL CANDIDATES

Continued from Page E-3

SEVRINSON HALL (NHR)

Jack Dietz

I have lived in Severinson Hall (NHR) for two years. During this time I have been active in dorm life and dorm government. I am extremely interested in serving the hall on a campus level.

In this capacity I would work for expansion, especially of the north end of the campus, in the areas of housing, parking and recreation. I believe an active and representative student senate can do much to improve student life.

Don Longmuir



Women who are sophomores or higher should be able, with paren-

tal consent, to live off-campus. With the opening of the new fieldhouse I believe more appropriations should be made to intramural sports. These appropriations could be used to keep the old fieldhouse open for persons who wish to use the facilities.

As college students, I feel that we are mature enough to attend classes without being required. I don't believe that class attendance should affect the student's grade.

SORORITY

Cheryl Bean



I realize I can't make big promises to the district I would be representing but I am very interested in serving this area. My

platform now is representing the people with action.

I feel I am qualified for this position by my past experience as student council vice president and president of Williston High School and also by serving as secretary of the North Dakota Association of Student Councils. I enjoy working and serving in student government.

SOUTH WEIBLE

No candidate has filed for this seat as of 4:30 a.m. last Monday.

STOCKBRIDGE

David Grant



If elected, I intend to represent the men of Stockbridge to the best of my ability. I would like to see some type of electrical outlets on campus parking lots for plugging-in cars, and various

other improvements such as open parking between the hours of 5 p.m. and 7 a.m. plus weekends. Also, more funds should be appropriated for intramural sports.

Wes Rogers

As a student senator, I will work especially hard for the success of the new University Senate and for an effective teacher evaluation program. Also, there should be a reorganization of the existing voting districts to allow for more equitable student representation.

I have been actively involved in student organizations, including Student Activities Board and the NDSU wrestling team.

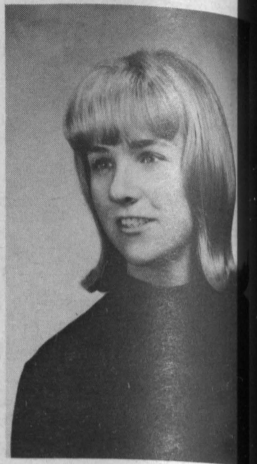
THOMPSON HALL (SHR)

Sherry Anderson

As a resident of South High Rise for two years where I have worked with dorm government, I feel I have a knowledge of its actions and needs. I feel I can represent it as a senator.

A senator, however, not only represents a dorm but the whole student body. In the interest of the student body, I would like to see increased representation of students on faculty committees.

Kathy Dietz



I have lived in Thompson Hall (SHR) this past year. I have developed a great interest in the conditions faced by the student body in my capacity as student senator. I would do all I could to close the communication gap between student government and the individual student, particularly in my district. A student body that is concerned and informed can make the senate a far more effective body.

BOARD OF STUDENT PUBLICATIONS

John Krogstad

I am interested in all areas of communications at this University.

Duane Lillehaug

Collegiate publications must continue their emphasis on journalism as closely related to professional journalism as is feasible while remaining a college publication.

Abuses of the publication, from outside sources, especially in the form of censorship, must not be allowed to move forward at any point. I am firmly committed to a policy where the sources of information remain truly open and accessible to the student press.

Furthermore, all decisions regarding actions of individual publications must be taken on the merits of the individual cases, ir-

regardless of previous opinions or actions which have been taken.

Sandy Scheel

The Board is taking an increasingly vital part in the area of student publication. Now is when the Board needs experienced interest in the operations of the Board. My year of service on the Board, as well as three years on the Spectrum, offer those ties.

The Board of Student Publications has jurisdiction over all publications produced with student funds from the Student Activity Fee. This includes the Spectrum and the Bison Annual.

STUDENT ELECTION PROCEDURE

All full time undergraduate students are eligible to vote for candidates in the following interest areas:

- One ticket in the presidential - vice presidential contest.
- One Senate candidate in the Academic Interest Area.
- One Senate candidate in the Residential Interest Area.
- Two candidates for the Board of Student Publications.
- Write-in candidates are permissible in all areas.

Polling Places are in the Union, Library and Dining Center and are open from 10 a.m. to 7 p.m. Tuesday. Student Activity card and another form of identification are required for voting.

Please note: The candidates that had filed for office or indicated intent to file by 6 p.m. last Sunday are included in this special election supplement (pages E-1 through E-4) in alphabetical order.

Hotline, the show on KDSU where the listeners may call in, will feature the presidential candidates in the next student election.

Jeff Levy, host of the program, will ask questions of each candidate. Listeners are invited to call in to ask questions of the candidates.

Hotline is aired at 9:05 this evening on KDSU, 91.9 mc on the FM band. For further information on the election see pages 1 and 2 of the regular part of the Spectrum.

GIVE A DAMN!

VOTE!