

The Review

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Friday, May 3, 1974

Winter Session Virtues Cited Administration Defends Progress; Calls it a Challenge

By JAN DeBLIEU

University President E.A. Trabant claimed Monday that few students have considered the educational opportunities and possibilities for innovative programs that the Winter Session offers.

At a meeting with Dr. Donald Crossan, vice president for university relations and the Vice-President for Student Affairs, John E. Worthen, in which the administrators attempted to answer student questions concerning Winter Session, Trabant said that students should view the program "as a challenge," and should make it produce. Worthen added, "Winterim was once a new program too. Winter Session should be given a fair shake."

Trabant outlined reasons for the change to Winter Session, emphasizing that the new program enables students to obtain degrees more cheaply and in less time. He said Winter Session will allow students to make up deficiencies without attending Summer Session and will provide an additional chance for students to enroll in courses which are usually filled or to enrich their curriculum.

The President said that the program is scheduled for January so that maximum use can be made of buildings and campus facilities and so that housewives and persons unable to attend classes in the summer would be able to participate. He asserted that the plan would create the least amount of turmoil and extra work for the faculty.

Trabant also said that faculty opposition to Winter Session stems primarily from the feeling that the President should not have complete authority over the university calendar. He said that when the Faculty Senate voted on the program there was no faculty pay compensation included, and participation every second year was mandatory.

"No one can convince me that there wasn't a hidden agenda in that vote," Worthen said. "There was nothing to indicate that Winter Session is academically bad."

Trabant stated, "If you find Winter Session to be unsound, then the Summer Session should also be abandoned."

Trabant continued, "The Faculty Senate recommended that the program not be implemented this year. I took the position against them that if you delay a year, you deny one quarter of the students the opportunity."

Separate tuition will be set on a credit basis, with a charge of \$30 per credit for in-state students and \$75 for those out of state, according to Trabant. If students decide to enroll in the program by the beginning of the fall semester a standard fee of \$100 for state students and \$240 for out of state students will be charged, thus allowing students to save if taking more than 3 credits. Students are limited to enrolling in two courses unless special requirements are met, Trabant said.

In addition, the cost of a seven-day meal ticket will be \$99, the administrators said. Residence facilities will be provided at no extra cost.

Students participating in independent projects arranged by the student and unsponsored by any department must also pay the tuition, Worthen said. "No money, no credit," Trabant stated. "The only way to get credit towards a degree is to pay money."

Worthen added, "Having to pay money for credit is very materialistic, but it's also realistic. We would have had to charge for Winterim next year if the program had not been changed." He said that free noncredit volunteer programs could be arranged to allow students to work in hospitals or other areas of interest.

Individual faculty members will determine the course offerings, Crossan said. The administrators speculated that the program's pay compensation may motivate teachers to participate.

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SHOWPIECE OR LABORATORY?—Newsday, Long Island's largest newspaper, called Solar One "no fantasy," but faculty and researchers have mixed feelings about its value as a research tool and as a public relations showpiece. Details below and on pages 12 and 13.

Solar Institute Thrives Amidst Controversy

Director of Massive Research Effort Holds Dual Position In University, Industry

By DAVID HOFFMAN

In an aging factory on the fringe of this campus, scientists are wagering millions of dollars and thousands of hours of their time in the hope they can harness solar energy and make it commercially available to the public in the next decade.

analysis

Led by an internationally known physicist, they are working at breakneck speed on a project that has been likened to an iceberg—only the tip has surfaced and few can tell what lies ahead.

The key to their efforts is a complicated, unique relationship between the Federal government, the university, an oil corporation and a local company. The legal and financial aspects of the relationship, like the scientific, are complex and only beginning to be explored.

At the hub of the relationship is the university's Institute of Energy Conversion (IEC), housed in an old brick factory on South Chapel Street, the brainchild of Dr. Karl Wolfgang Boer, (pronounced "burr") who founded it from nothing two years ago. Since that time he has won for it more than a million dollars in "seed money" for research.

The varied parties in the relationship are tied together under a single assumption: if universities can work hand-in-glove with industry, research techniques can tackle the problems of society. In recent years, the government has encouraged such cooperation through a special program called "Research Applied to National Needs" (RANN).

But it has been precisely this relationship with industry that has stirred debate about the Institute because Boer, its director, is

also chairman of the board and the largest single stockholder in the company with which the university has chosen to join hands, Solar Energy Systems Inc.

As a result, Boer's unique personal style in leading the Institute has been surrounded by controversy. And, as the Institute has grown, charges of conflict-of-interest, deception, "management by crisis," excessive public relations activities and a lack of long-range planning have also grown.

Boer's associates and others related to the Institute concede that each of these have been problems in the past, but indicate that IEC is entering a "second phase" which will be more carefully research-oriented. And those few high-level officials responsible for overseeing the Institute's activities say they are satisfied there has been no wrongdoing so far.

The Beginnings

The Institute was officially founded by university President E.A. Trabant in February, 1972, but according to Boer, the project had been in the planning stages since his sabbatical from the physics department in 1970.

In the early months, Boer quietly began work on the third floor of Colburn Lab with, as he recalls, "one man, half a secretary, and a few hundred square feet of space." From the beginning, the Institute was expected to become self-supporting on research grants, which Boer started to prepare proposals for.

At the same time, Boer recalls, Trabant encouraged him to follow through with his plans to get "two legs on the ground" and establish a corporation that could take the Institute's research through the development and marketing stages, as the RANN program had urged.

Five months later, in July 1972, Solar Energy Systems Inc. was registered as a Delaware corporation, with Boer as chief executive officer.

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DR. KARL W. BOER

"If cadmium sulfide solar cells could make a contribution to society, I could do it. I took it as an obligation..."

... Session

(Continued from Page 1)

participate. "We are hopeful on having information on course offerings by the time you have to pay for the fall semester," Worthen said. "We may mail information out in the summer."

"It will still be possible to take Winterim projects," Worthen added. "If you have an idea for a project, talk to a faculty member. There is no reason why faculty teaching courses announced in the fall cannot prepare the material in time for the session."

In response to student complaints that the Winter Session calendar will cut down on students' chances to find summer employment, Worthen said, "That's making an assumption that we're not sure of." Trabant added, "If getting out earlier in May provides a better chance for students to get jobs, so could getting out in April."

THE FIRST INTERGALACTIC SPACE BOOGIE

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Suakegrinder

Island

Griff Jones

The Wide Open Beaver Band

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Big Dog Road

Saturday, May 4—10:30 A.M.-10:30 P.M.

Harrington Beach



FALL 1974



INTEGRATED LEARNING SEMESTER

—ILS Themes are 6-9 Credits.
—ILS Themes can be applied to group, major, free elective credit (depending on your program).



ILS Themes are comprised of DEPARTMENTAL courses -- and the course numbers below appear on transcripts like any other departmental course. You receive departmental credits, not "ILS" credits.

14 WEEK THEMES

1. Contemporary Religion in America
Brown (PHL323 - 3 cr., PHL367 - 1 cr.); Finner (SOC 360-3 cr., SOC 367-1 cr.)
2. Romanticism: Music, Literature, and Ideas
Bernstein (H367 - 3 cr.); Davidheiser (ML367 - 3 cr.); Kidd (MU 367 - 3 cr.)
3. Urban America
Latham (EC393 - 3 cr.); Rees (G325 - 3 cr.)
4. Oral Literature and Culture
Biebuyck (ANT367 - 3 cr.); Bethke (E367-3 cr.)
5. Films and Filmmaking (Continuing Education)
Barrett (E367-4 cr.); Sasowsky (ART 367 - 4 cr.)
6. Managing the Performing Arts
Wilker (D367 - 3 cr.); Chadwick & Willett (Bus. Adm.)

ILS WILL ALLOW

- In-depth Inquiry
- Closer contact between students and faculty.
- Opportunity for small group projects on and off campus.

An ILS theme can be taken with:
—Regular Semester Courses
—Independent Study Projects
—Another ILS theme concurrently over 14 weeks.

7. Medical Moral Problems and the Technological Society*
Lurie et al (HLS 267 - 3 cr.); Durbin (PHL207 - 3 cr.)

*Students have option to register for one or both courses.

8. From Literature to Drama to Life*

Porter (EDC529 - Cont. Educ. - 3 cr.); King (D611 - 3 cr.)

*Students have option to register for one or both courses.

9. Justice & Equality

Palmer & Haslett (PHL667 - 3 cr.); McFarlane (SOC667 - 3 cr.)

*Students have option to register for one or both courses.
Advanced undergraduates with permission of instructor.

10. The Rise & Fall of Mediterranean Cities: Archeological & Geological Evidence.

Crawford (ARH667 - 3 cr.); Kraft (GEO 667-3 cr.)

Advanced undergraduates with permission of instructor.

11. Psychology of Women and Family Development*

Geis (PSY667 - 3 cr.); Settles (CD621 - Cont. Educ. - 3 cr.)

*Students have option to register for one or both courses.

12. Biomedical Chemistry - Physics*

Jain (C108-4 cr.); Onn (PS 108-4 cr.)

*Open to freshmen only.

FOR MORE INFORMATION

ON ILS, FULL DESCRIPTIONS OF THEMES & REGISTRATION:

1. COME TO THE OFFICE OF ACADEMIC PLANNING (109 HULLIHEN HALL)
2. BRING COMPUTER REGISTRATION FORM BETWEEN 10 AND 4



Staff photos by John G. Martinez
HARD AT WORK—A Glasgow High student labors over a physics book. In the greenhouse (above) students put their green thumbs to work.



An Atypical High School

By JO-ANN ALEXANDER

From Route 896, it looks like the typical high school, except maybe a little newer than most schools. Inside it is easy to find the things that never seem to change—laughter coming from behind a stack of books in the library, hand-holding couples, the steady drone of a teacher's voice. Classes change to the sound of voices and banging locker doors.

Glasgow High School has been in operation for less than one school year. According to principal John Brandt, the school first opened its doors in September, 1973, and then only to ninth and tenth graders. Although they are expecting 1,200 students for next year, there are presently only 835 students attending the school. Brandt indicated that when the school reaches its capacity sometime in the future it will have 1,985 students.

According to Brandt, the philosophy at Glasgow is to "stress a basic, sound educational program by offering a variety of options to meet interests and needs." He feels that both the building itself and the programs offered at Glasgow echo this idea.

Some of the facilities available to Glasgow students which are either already in operation or will be for next year are a pool, a greenhouse and a television studio. The industrial arts department can boast of not only the usual metal and wood shops, but also plastic, electronics, mechanical, drafting and agricultural shops.

A darkroom and all the facilities needed to print the school newspaper are part of the graphic arts center. The

home economics department, has kitchen and sewing facilities in addition to a fully equipped child development center.

The two story building also has a two-level auditorium which will accommodate 1,200 people. During the day, sections of the auditorium are enclosed by folding doors to create classrooms and an area to show visual aids. An orchestra pit and an organ on the stage indicate that the music department also uses this large room throughout the year.

Students who have a study hall can go to one of three places. In the lounge area, they are able to buy Cokes and snacks while just relaxing with their friends. Another choice is the Instructional Media Center which is actually an expanded library area. Here students are able to do homework to their favorite rock group using the cassette players available in individual booths. The traditional study hall offers the last option.

When classes are in session at Glasgow, it is difficult to find someone in the halls. This is a strictly enforced rule created because of the construction of the school. Having no doors, the classrooms open into the hallways. All the walls in the school are collapsible, making alterations possible if needed in the future, according to Brandt.

As the building itself makes a variety of choices available to Glasgow students so do the programs. "We try to offer a variety of choice to meet interests and

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AAUP Agrees to Session Planning Delay

By DAVID HOFFMAN

In a last minute resolution at the end of a meeting of the American Association of University Professors Wednesday, professors voted not to commit themselves to departmental Winter Session plans until the faculty union reached an agreement with the administration.

The resolution came with a show of hands after many professors had already left the meeting.

Earlier, AAUP representatives had spelled out to their colleagues the ongoing situation at the bargaining table, claiming they could not recommend acceptance of the administration's latest proposal. They said they objected to the amount of salary increases, the way they will be distributed, the absence of clauses on the Winter Session and the grievance procedure.

The administration has proposed a four percent salary increase, the faculty

union says, with another two percent contingent on the size of the university's allocation from the General Assembly. The faculty union is asking eight percent, which they say is commensurate with increases in the cost-of-living.

Also at issue is how the salary increases will be distributed. The AAUP is asking for an across the board increase in addition to "merit" increases for each professor, in contrast with the administration's contention that all increases should be based on "merit." AAUP members complain this could leave some professors without any salary increase at all.

The AAUP says it has also asked that a "memorandum of understanding" on Winter Session be included in the contract, but that the administration claims that Winter Session is not negotiable.

The faculty union has also asked that a class action clause be included in the contract, which the

administration also opposes, according to AAUP members.

At the meeting, professors were told the bargaining team would continue to negotiate for the next week, but if a settlement was not reached, the faculty would be offered the following alternatives:

—Continued negotiations,

—Submission of all outstanding issues to a "fact-finding panel," which would develop a contract that both sides would agree to accept in advance.

—If the administration fails to agree to a "fact-finding panel," and a settlement is not reached, withhold teaching and other services

beginning in September.

The faculty were also told by Robert Spector, national AAUP secretary, that the university "has very serious, problems" not experienced by other institutions around the country.

Spector called for the faculty to "face up" to the possibility that they might have to strike in the fall.

Course Numbers Lowered

English Department Encourages Non-Major Enrollment

By MAUREEN DOWNEY

In an effort to draw a greater number of students, the English department has lowered many 600 level courses to the 300 or 400 level, according to Dr. Richard A. Davison, assistant chairman of the English department.

The high numbers of the courses "intimidated and frightened non-majors" from taking the courses, he said.

Davison cited as another factor in the decision the incongruity between "the English department's view of a 600 level course and the formal view of graduate courses." He explained that rather than viewing them as "graduate courses which undergraduates may take," the

English department recognized the 600 level course as an "undergraduate course for which one could get graduate credits."

Davison termed the move to lower the high numbers as an effort "to bring ourselves in line with the rest of the departments."

Dr. Jerry C. Beasley, chairman of freshmen English, said the lowering of the 600 level courses makes the courses "more inviting to undergraduate non-majors as well as majors."

He explained that the experience with the sophomore level courses convinced faculty that many students wanted more literature courses. These students were being "driven away by the numbers" of the higher level literature courses.

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'UNEMPLOYMENT, INFLATION, HIGH FOOD PRICES, IMPOSSIBLE INTEREST RATES, BAD LEADERSHIP . . . AND THIS IS THE GOOD SIDE OF THE WORLD!'

Ecology Issues Still Important

Four years ago last week, Earth Week stormed the country offering idealistic solutions to water pollution, choking exhaust fumes, and even noise pollution.

A rash of ecology bumper stickers, seedling trees, recycled bottles, cans and papers, compulsory anti-pollution devices on cars, and increased littering penalties accompanied the ecology movement. Belching smokestacks were frowned upon and pollution control agencies urged citizens to walk, bicycle, or ride public transportation instead of using private cars.

But now a lull has followed the storm, and the fervor of four years ago has faded. Earth Week slipped by this year—unnoticed, but by a few former activists.

The grandiose ecology movement has been taken up by politicians and government funded pollution control agencies while the private citizen pursues ecology on a more personal level—recycling bins have recently been installed on Harrington Beach and practical citizens are taking old newspapers to local collection areas.

It is not ironic that while citizens quietly pick up bottles and trash in their own areas, Delaware held its first public hearing on the Coastal Zoning laws this week.

We should remember that, four years after Earth Week, there are still some large-scale

causes to fight for and to win. However important our day-to-day activities become, we must not let them pervade the significance of the major issues we were once so insistent about.

Help Defense Fund

It's the end of the semester, and all the complaints of poor teaching, and non-teaching, will disseminate with final exams and grades. Perhaps a few professors will have lower enrollments next semester because "the word" will get out that he or she is a poor instructor.

But for the most part, some teachers will continue to be mediocre and students will continue to do no more than grumble about the quality of teaching on campus.

In 1973, Dr. Arnold Gordenstein received the Excellence in Teaching Award from the students; in 1974, he is fighting for academic survival in what appears likely to become a costly court battle.

It will take money, and a good deal of it, to give teaching the stature it deserves. The investment of a dollar into the Gordenstein Defense Fund can easily be an investment for better teaching—large benefits for a small sum.

Articles of comment and opinion for publication on the "Opinion" page of The Review are welcome. Interested individuals should write or call the Editorial Editor, The Review, 301 Student Center, 738-2649.

We Struck Oil

By Arthur Hoppe

All the major oil companies have now reported almost doubling their profits during the first quarter of this year. And now all the major oil companies are busy explaining why.

Actually, the explanation is quite simple: It's all due to the greedy Arabs increasing the price of the crude oil they sold to our oil companies for refining into gasoline.

As everybody knows, when the price of the raw materials you buy skyrockets, your profits are going to soar whether you like it or not.

Of course, our oil companies weren't buying any oil from the fiendish Arabs during the first quarter of this year due to The Oil Embargo.

But, as everybody knows, when the price of the raw materials you don't buy skyrockets, your profits are going to soar whether you like it or not.

The reason, for this is widows and orphans.

You see, the oil companies, faced with this terrible Oil Embargo, were forced to go to the Government for relief.

"We simply can't go on not paying these fantastic prices for the Arab oil we're not buying," said the oil companies, "and keep our corporate heads above water."

"Good heavens," said the Government, "what can we do for you in your hour of need?"

"We want you to let us raise the price of the gasoline we are not refining from this oil we are not buying," said the oil companies, "in order to meet the increased costs we are not paying."

"That makes sense," said the Government. "But won't that increase your profits?"

"We hope not," said the oil companies. "But if it does, we will put all that money into drilling our own oil wells. What's more, we'll charge ourselves fantastic prices for our own oil. That'll show those blackmailing Arabs a thing or three."

"Go to it," said the Government. "And God bless your patriotism."

So the oil companies regrettably almost doubled their profits. And the first thing they did, of course, was to almost double the dividends they paid their stockholders—like from 90 cents to \$1.72 a share.

"Wait a minute," said the Government. "We thought you were going to put all that money into drilling for oil."

"You are forgetting," said the oil companies, "that all our stockholders are widows and orphans. Stockholders are harder to find than oil. In fact, we fear this country may be running out of widows and orphans. Would you deprive a poor widow of a lousy \$1.72?"

"We're ashamed of ourselves," said the Government. "God bless your humanitarianism."

So as you drive up to the gas station to pay your 60 cents a gallon, think of our patriotic, humanitarian oil companies, which are out there, even now, spending millions of dollars to explore for and develop new widows and orphans.

For the oil companies aren't out of the woods yet. Disaster may hit at any moment. They may strike oil!

If so, they'll have no choice but to place an embargo on selling it to themselves. Otherwise, they couldn't go on not paying fantastic prices for the oil they're not buying.

And then where would our widows and orphans be?

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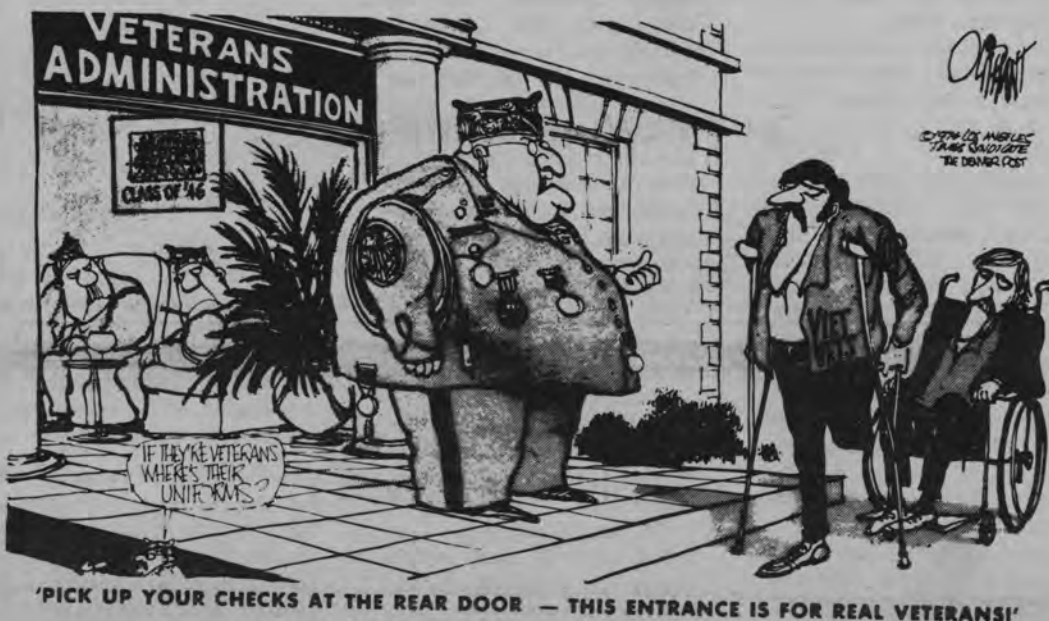
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'PICK UP YOUR CHECKS AT THE REAR DOOR — THIS ENTRANCE IS FOR REAL VETERANS!'

Fitzgerald Works With People

By LINDA BRADLEY

University as well as Newark community residents can go to the Human Services and Planning Office whenever they have a "basic anxiety about what they're doing in their lives."

Profile

"I'm not a psychiatrist or psychoanalyst, but I can help people see themselves through the problem," says Dave Fitzgerald.

director of Human Services located on Chapel Street in the old Budd building.

"I feel very strongly that the university and the community are here to use skills and talents together to improve the environment. I work with people on an individual basis," said Fitzgerald, adding that the university is made up of individuals.

Fitzgerald dislikes the term "social services." He feels

it creates the impression of the department as being a welfare agency, although he does direct some people to welfare.

Fitzgerald said that the main purpose of Human Services is "to be concerned about the quality of life and people's psychological reactions to the environment of life."

According to Fitzgerald, the department, which began three years ago, will help those with any problems from hassles with landlords to relations with boyfriends and parents. His interest is in how people get along with each other.

"Basically what I'm doing now is reacting. It's an initiating and directing service, which is my involvement. It is my interaction with other people that gets something done," Fitzgerald commented.

Except for a secretary, Fitzgerald works alone "getting things done" for people and the community

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Staff photo by Linda Bradley

DAVE FITZGERALD

E-52 Stages 'Sisters'

By DAVID HOLMES

The final offering of the university E-52 Theatre, "The Three Sisters" by Anton Chekhov, brings the 1973-74 season to a successful close.

Cinema

Throughout the three and a half hour performance, a definite disadvantage to an acting effort by any troupe, director Brian Hanson molds a story of vivid realism that holds the audience's attention.

Even at the outset of "The Three Sister" the audience is drawn into the mood of the play by the actors' preliminary movement onstage while the crowd is still being seated. This seems not only to add a certain novelty to the play, but it establishes the characters before the rise of the curtain.

The play takes place in a provincial Russian town early in 1901, similar to the area where Chekhov spent most of his life. Chekhov, who considers the majority of his works "comedies," weaves a vivid comedy of life that takes his upper-class and nouvelle-riche characters to their inevitable tragic ends.

The four-act production begins and ends in the Prozorov home with the story centering around the life styles of three sisters who are living in a stylized decadence with their scholarly brother.

The entire cast gave impressive performances and no one actor dominated the production, even though each had his opportunity to shine. Rennie Witt, Jane Bray and Linda Lehr, in their roles as the three sisters, set the pace of the show with their vivid and memorable portrayals.

A major portion of the show's success belongs to the production staff. The total three-dimensional effect of each set achieved by Tom Watson, draws the audience into the play.

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Student-Faculty Committee Seeks New Art Chairman

By JOANN ALEXANDER

This week a student committee is submitting recommendations to the art department for the selection of a new department chairman. The committee is made up of six elected undergraduates in the art department, one member of the Integrated Learning Semester (ILS) academic planning committee and an alumnus.

According to committee chairwoman Loretta Eller, the group was organized to represent the art students in meeting and interviewing candidates for the position. The present chairman, Dr. George Nocito, will be stepping down after this semester to assume full-time teaching.

So far, the committee has interviewed one of the three candidates who will be considered for the job. Eller explained that before the committee interviews a candidate, they first consider a synopsis of his resume. Once the interview has been completed, an open meeting of art majors will be held so that they may meet and question the candidate. Finally, the committee will make its recommendations to the art department.

Sophomore Steve Kauffman and freshman Ed Magee, both members of the student committee, pointed out that the committee is looking for someone who will unify the department, "hopefully to bring about a motivation to the students to pursue their professional goals."

"With a new candidate we hope to generate more awareness of the university and the Newark communities," Kauffman commented.

Another important aspect of the committee's criteria for a candidate is "someone who can foster the idea of professionalism among students so that students can meet the challenges outside of school on their own."

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SENIORS!

Graduation name cards
and announcements should
be picked up immediately
in the UDCC office

(Under the faculty dining
hall in the Student Center)

the
GRADUATE STUDENT
ASSOCIATION is
holding ELECTIONS—

WEDNESDAY,
MAY 8
7:30 P.M.

GRAY STONE BUILDING
LOUNGE

All interested students

PLEASE ATTEND

THIS WEEK

TODAY

SEMINAR - There will be an Electrical Engineering Solid State Seminar at 2 p.m. in Room 205 Evans Hall.

SEMINAR - William Heronemus of the University of Massachusetts will speak on "Solar Energy Processes Capable of Short-Term Meaningful Impact on the U.S. Energy Market" at 3:30 p.m. in Room 140 DuPont Hall.

SEMINAR - Dr. Richard J. Tasca will address the topic of "Biochemical Aspects of Preimplantation Mouse Development" at 4 p.m. in Room 205 Wolf Hall.

COLLOQUIUM - There will be a Math Colloquium at 3 p.m. in Room 103 Sharp Laboratory.

ART - University Art Students, selected work in representative media in Clayton Hall May 1 through May 31.

ART - "Stanley Arthurs, a One-Man Show." Works of Delaware artist and illustrator held May 3-June 16 at the Delaware Art Museum.

EXHIBIT - "Four Centuries of Floral Illustrations" in Morris Library held May 1-June 30.

EXHIBIT - "Early Delaware Imprints" in Morris Library held May 1-July 15.

ALFRESCO II - The Pennables, a new sub-group of the Penn Glee Club, will perform at 12 noon on the Student Center Patio. Free.

BASEBALL - Delaware vs. Penn State at 3 p.m., home.

FILM - "Der Baron von Munchhausen," in German will be shown in Room 115 Purnell Hall at 7:15. Free.

FILM - "Scarlet Empress," "Imitation," and "Stopping the Show" will be shown at 7:30 and

9:45 p.m. in 140 Smith Hall. 50 cents with ID.

CONCERT - Satori Woodwind Quintet will perform at 8:15 p.m. in Loudis Recital Hall.

THEATER - University Theater presents "The Three Sisters" at 8:15 p.m. in Mitchell Hall.

COFFEEHOUSE - Bacchus presents an evening with open mike favorites at 8:30 p.m. 75 cents with ID.

DANCE - folk dancing in Taylor Gym from 7-9:30 p.m. Free.

DANCE - Abacus will play in Harrington C Lounge 8:30 p.m.-12:30 p.m. Admission 50 cents.

TOUR - Solar House at 190 S. Chapel Street, open 4-6 p.m.

TOMORROW

CONCERT - The First Intergalactic Space Boogie will take place on Harrington Beach from 10:30 a.m. to 10:30 p.m. Features Island, Griff Jones and Snakegrinder. Free.

BASEBALL - Delaware vs. Lehigh, 1 p.m., home, two games.

TRACK - Delaware vs. Drexel and Rider 1 p.m. at home.

RUGBY - Delaware vs. Baltimore at 1 p.m. at the Kells Ave. field.

LACROSSE - Delaware vs. Bucknell at 2 p.m., away.

EXHIBITION - There will be a Figure Skating Exhibition at 4:30 p.m. at the Ice Arena located on South College Ave. Free.

TOUR - Solar House, at 190 S. Chapel St., open 4 p.m. to 6 p.m.

DANCE - Square dance in Rodney Room of Student Center at 7:30 p.m. Free.

FILM - "The Last Picture Show" will be shown at 7:30 p.m. and 9:30 p.m. in Room 140 Smith Hall. \$1 with I.D.

THEATER - The University Theater presents "The Three

Sisters" at 8:15 p.m. in Mitchell Hall.

COFFEEHOUSE - Bacchus presents an evening with open mike favorites at 8:30 p.m. Admission is 75 cents with ID.

SUNDAY

CONCERT - There will be a Chorale Pops Concert on the Mall at 4 p.m.

CONCERT - There will be a Symphonic Band Concert at 8:15 p.m. in Loudis Recital Hall.

THEATER - "The Three Sisters" will be presented by the University Theater at 8:15 p.m. in Mitchell Hall.

FILM - "Savages" will be shown at 7:30 p.m. in Room 140 Smith Hall. Free with ID.

MONDAY

SEMINAR - Dr. Judy Clinman, of the Institute of Cancer Research,

will speak on "ADH" at 4 p.m. in Room 205 Brown Lab.

COLLOQUIUM - Daniel Biebuyck of the university will speak on "Anthropological Research at the U of D" at 4 p.m. in Room 221 Smith Hall.

Library Hours

During exams, library hours will be extended as follows: May 10, 11 and 13 to 17, 8 a.m. to 1 a.m. The library will be closed May 23 through June 16.

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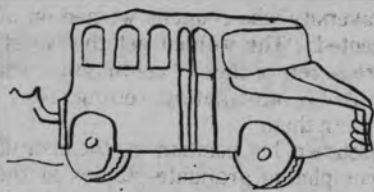
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On the Other Side of the Prison Bars

By KAREN BAILEY

The view from the windows of the Women's Correctional Institute is like the view from any other window, with one exception—the inmates catch glimpses of the outside world through iron bars.

The institution itself is a three-story brick building situated in the center of a spiked-fence yard. Behind the prison walls are starkly lit-tiled corridors, sterile green walls, faintly reminiscent of an operating room, plastic office furniture, and cracked, peeling plaster.

"If we must have buildings like this, then I feel the women that are sent here should be treated with human dignity and should have some sense of self-determination," explained Frank Barry, acting superintendent of the prison.

The Women's Correctional Institute, located off the Kirkwood Highway behind State Police Troop 6, is the only women's prison in Delaware. The prison, according to Barry has a capacity of 45, but is presently housing only 18 women.

Referring to the new Smyrna prison for men, Linda Johnson, a senior at the University who counsels women on the work-release program commented, "The women get the worst of the system because there are so few of them," continuing, "the women aren't doing anything; they're stalemating, rotting. They're up in the air about what to do with them."

Barry, who assumed his position at the institution less than a month ago, is completing graduate studies at the University of Pennsylvania and was previously a three-day a week social worker.

"The primary thing I am doing now is trying to build up relationships with the inmates and correctional officers," Barry said, adding that it is necessary initiate changes not only with the inmates, but also with other people. "People have been doing things one way for such a long time that it is hard to get them to think there is another way," he continued.

"One thing you don't give to prisoners is false hope," Johnson said. "You don't create lies for people because that's all they have to cling to."

Barry went on to explain that all of the 18 inmates have been convicted—"some are just too poor to pay bond." He described the system as one "that keeps people here for a lousy 250 bucks bail."

According to Barry, most of the women are poor and black and have been charged with such crimes as shoplifting, prostitution, drug charges, and robbery. "Most of the things here are crimes against themselves. They don't involve other people," he said.

"The sentenced women have very low opinion of themselves," Barry continued. "These are the things I'd like to change, but any kind of change is hard to bring about."

The prison offers different programs to the women such as classes, house cleaning chores, and facilities for sewing and art. When asked about recreational facilities, Barry explained, "We have a back yard, a badminton set stored somewhere, and books and magazines." He added, "I guess I'm making light of it because things could be better."

"The women feel there is very little in the way of rehabilitation," commented Johnson. "Rehabilitation comes from within," Barry stated, adding, "if a person doesn't accept help, it's not going to work."

Joyce Coppock is the work-education release officer at the

(Continued to Page 11)



Staff photos by Joseph M. Corasaniti



... English Course Numbers Lowered

(Continued from Page 3)

Beasley added that lowering the numbers did not mean the course content would be "watered down. The pitch would be more general perhaps."

He concurred with Davison that the numbers of the high level courses were "inflated and did not represent what courses were doing, teaching undergraduates."

Beasley commented that although the English department "was committed to their graduate program, they recognized the obligation to undergraduate education and were interested in doing a better job of educating these students."

Dr. Franklin B. Newman, English professor, explained

that as the English faculty expanded, it became possible to introduce 800 level courses, thus lessening the need for the 600 level courses.

He said the English department "moved the 600 level courses back to 300 or 400 because we now have the staff to provide courses for both graduates and undergraduates." This move, he added, "allows undergraduates a sense of propriety and a right to their courses."

Newman suggested that the English department "could use more 600 level courses." There are roughly 10 remaining 600 level courses from an original 35.

According to Newman, the

lowering of high number courses will "pose difficulties for the practicing teacher. To meet their needs, practicing teachers will have to be able to enroll for special problem courses on the 600 level and be able to sit in on 300 level courses."

All three professors foresee no major difficulty with transcript differences. Graduate schools will most likely attribute the lowering of course numbers to an "internal numbering situation."

Students who desire it, may request a note be attached to their transcripts explaining the reason for the course lowering, according to the professors.

BASIC INFORMATION ABOUT WINTER SESSION

January 3 to February 7, 1975

Types of Offerings

There will be three types of offerings: courses, projects, and independent study.

Courses are regularly approved and numbered. They are letter graded unless given regularly as pass/fail. Courses will be offered contingent on sufficient enrollment.

Projects are Winterim-style offerings for a group of students (two or more). They are offered on a pass/fail basis. Winterim-style projects are designated by the departmental symbol and the 499 number.

Independent study includes special problems, thesis, research, etc., when a faculty member and student work together on an individual basis. Independent study is letter graded and uses the regular independent study course numbers.

Course Load

Students may normally take 7 credit hours. They may take 9 credit hours with the dean's permission.

Preliminary List of Offerings

A preliminary list of courses, projects, and faculty who are willing to offer independent study will be distributed with fall billing information in the summer. This preliminary list will give students a basis on which to decide whether to prepay Winter Session tuition. Students are cautioned, however, that an offering on the preliminary list may not be on the final list or might be canceled for lack of sufficient enrollment.

Final List of Offerings

Final plans will be made in September and October and a final list of offerings will be prepared prior to Winter Session registration in November.

Tuition

Students may prepay Winter Session tuition in the summer at a reduced rate or pay on a per credit hour basis at the time of registration in November. Students prepaying with their fall bill will pay \$100 (Delaware residents) or \$240 (non-Delaware residents) to enable them to take up to 7 credit hours or 9 credit hours with their dean's permission. Prepaid students will be given priority assignment to offerings.

Undergraduate, graduate, and nonmatriculated students paying at a credit hour rate will be charged according to the level of the course (000-499 at undergraduate rate and 500-999 at graduate rate).

Undergraduate rate	Graduate rate
Del. residents-\$30	Del. resident-\$40
Nonresident-\$75	Nonresident-\$99

Room and Board

Students having a residence hall room in the fall or spring semester may occupy their room during Winter Session without additional charge. Students occupying their room during Winter Session must purchase a meal ticket. To occupy a room during Winter Session a student must be registered for the Winter Session.

For answers to questions about Winter Session call Dr. George H. Gibson, 738-2101, or stop by his office at 104 Hulihan Hall.

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Job Seekers Find Summer Outlook Varied

By GRACE BIERMAN

Now is the time of year when most students have either secured a job or are in the process of finding a job for the summer months. Some students may want a career oriented job to get some practical experience in their particular field, while others may want a job just to earn money and have some fun.

"In acquiring a job that is career oriented, students attempting to secure jobs in business, engineering or the natural sciences are going to have the most luck," said Michael Lee, coordinator of student employment. The best paying jobs of this type are found in the accounting field, according to Lee. Because of the high student population, many people will be vying for these jobs, and to find one is dependent upon whether the student is in the right place at the right time, he went on to say.

On April 1, the student employment center sent out over 1300 letters to businesses in Delaware and surrounding areas, to learn of job openings for students this summer. From the replies received so far, there are approximately 300 positions for jobs in these businesses, Lee commented. "We are expecting many more replies in the following

weeks," he emphasized.

"The chemical and oil companies seem to be offering the most jobs for students in engineering. From downstate, we have received a lot of replies for agricultural jobs. Returns for jobs in the business and economics areas have been rather sparse," Lee said.

Positions for students that are looking for strictly summer-oriented jobs may be found in summer camps, department stores, and restaurants and motels, especially at the beach. Other jobs available include maintenance and groundwork for individual homeowners, and babysitting.

Lee didn't know how the energy crisis will effect summer jobs. "The City of Newark, Department of Parks and Recreation, isn't hiring students for the summer like they used to, due to a cutback in their budget, resulting from the energy crisis," Lee said. However, no change is expected as to the number of jobs available in restaurants and motels at the beach. The government intends to give healthy allocations for summer travel, Lee continued.

By May 1, all employers must recognize the new minimum wage set at \$1.90.

This year wages for many summer jobs will be higher than in previous years, Lee said.

Moving across the Atlantic, it may be of some interest to look at summer job opportunities for American students in Europe. According to Dean Loomis, international student advisor, it will be difficult to get a job abroad.

First of all, students must get permission to work in international youth camps, airlines, hotels or museums. The student needs a good knowledge of English, and possibly some sort of specialization, especially for museum work, said Loomis.

"Summer jobs for American students are being diminished in Europe because European employees want to provide work for their own students," Loomis commented.

However, some jobs are available for students desiring to teach English in tutorial European schools. Other jobs, not so easily accessible, include work in company farms and large factories, he added.

"The pay isn't good according to American standards, but if the student

adjusts to the European way of life, he will make out okay," Loomis remarked.

Because of the high cost of air fare, the student may earn just enough to pay for his transportation to and from Europe. Since youth fares have been discontinued on all domestic airlines, the student has one of two choices for air flight to Europe.

"The student may travel to Montreal by train and catch a plane to Europe for youth fare prices. The total cost of this transportation is \$350 including return trip," said Clarissa A. Waterman, assistant manager of the

Newark Travel Agency. To fly from New York to London or Paris, for a three month stay in Europe, including return ticket, the fee is \$600. Waterman went on to say. Lower priced tickets can be secured if the student wishes to have only a two week to forty-five day stay, she added.

If you're looking for a job for the summer, try the student employment agency. "Students may come to the student employment center right up to the last day of classes if looking for leads for jobs this summer," Lee emphasized.

... Committee Seeks Chairman

(Continued from Page 5)

The group considers its immediate goal to be the recommendations to the art department for a new chairman, but the members expressed a hope that it will have a greater significance. According to them, by forming the committee they hope to make a step in the direction of unifying the art department. They also want to establish more student-faculty communication and consideration of student opinion in decision making.

Final decision for the selection of the chairman will be made by the search committee, a group made up of two faculty members in the art department, a faculty member of the art history department and Dr. Floren Smith, chairman of the psychology department.

Eller expressed her hopes that the committee's recommendations will be considered when the decision is made. "We hope we are not just a token group," she said. "We hope they take us seriously."

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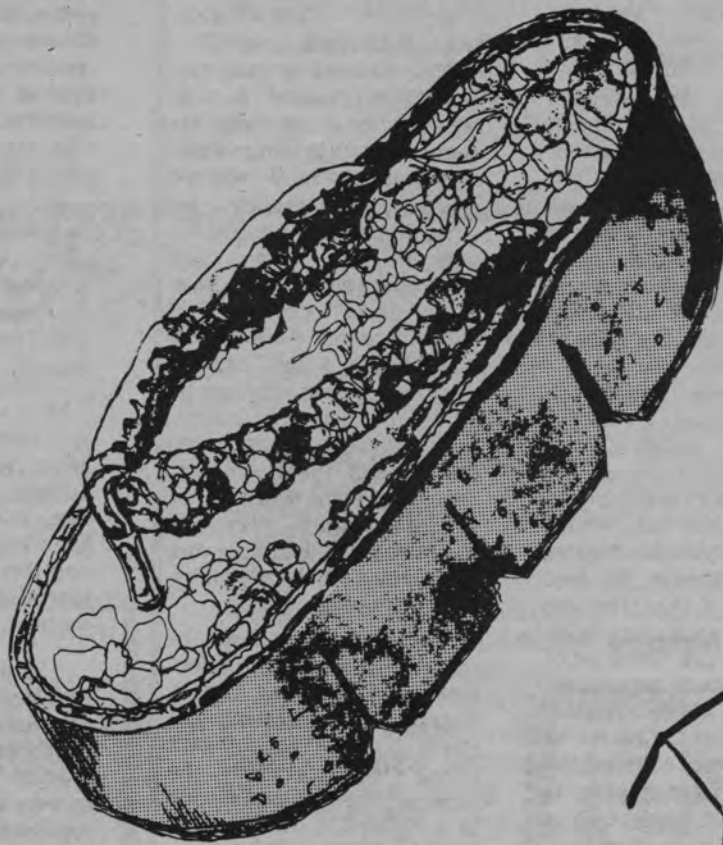
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... Delaware Women's Correctional Institute

(Continued from Page 7)

prison. Inmates selected to go on work release leave the prison daily to work or go to school. "We place the girl according to what she likes to do," Coppock said. "A girl comes to me with

her plan and then we compromise." Coppock also does counseling, handles money, contacts employers, arranges transportation and takes care of educational needs. An inmate can qualify for the program if she is

within one year of parole or release and maintains a good attitude.

Barry wants to use the facilities offered at the institution more efficiently. "The acoustic level in this place is like a bird house in a

zoo," he remarked. He described the food as "heavy" and "not as good as GI food."

The inmates do not live in cells, but instead live in double rooms with heavy, iron doors which have small barred windows. Each room contains two iron cots, two bureaus and a shower. The detentioners, women who can afford to pay bond; stay in a dormitory room also furnished with iron cots.

According to Barry, two women walked out a couple of

months ago and haven't been found yet. "If someone says they're going and want the keys, I don't expect correction officers to wrestle around and get beat on the head," Barry said. "I question every damn thing we're doing," he added.

"The best thing I can do," explained Johnson, "is try to give the women confidence in themselves. That's the one thing they are lacking."

And still—the iron bars obstruct the views from every window.

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Solar Energy Institute's Explosive Growth

(Continued from Page 1)

Since that time a complex web of financial agreements and contracts has been engineered to link the university with SES, and, ultimately with a Shell Oil Co. investment last October of \$3 million in the fledgling solar energy industry.

Initially, Shell received a seven percent ownership in SES, according to Steven DiZio, the company's president since March 1. Sources outside the institute put the oil corporation's eventual share of SES at nearly 80 percent, much of which will be gained through stock options. Currently two of SES's nine directors are executives of Shell Oil. And, according to one source familiar with the contractual agreements, "they have the real muscle on the board."

The Shell Oil investment in SES was made final last October 10. Eight days later, with the oil company's massive resources as support, SES signed an agreement with the university, marking the beginning of a unique, and controversial, relationship between this university and a private corporation.

A confidential document, the agreement makes the following stipulations, according to several sources familiar with it:

—The university will expend \$1.5 million on solar energy research—\$300,000 a year for five years—at the Institute of Energy Conversion. SES will repay this expense to the university over the next 15 years (the life of the agreement) at the prime interest rate.

—SES will give the university "first rights of refusal" on any grant related to solar energy the company might decide to offer above and beyond the annual \$300,000. In other words, SES must offer any research grants to the university before making them available to the outside community.

—In turn, the university will give SES "first rights of refusal" to license any patents or research related to solar energy coming from the university, providing there are no "prior restraints" on the work. Most research conducted with government funds is considered public knowledge, in which case it would be beyond the university's power to offer it to SES. Boer's patent on cadmium sulfide solar cells, however, originally given to the university, has already been licensed to SES.

—The university will retain a stock option in SES, for the length of the agreement, at a certain price for a certain number of shares.

—The university will pay a portion of Boer's salary and the Institute's rent in the old Budd Co. factory, according to a set formula. Currently this portion is about 70 percent of both salary and rent.

—Royalties will be paid the university based on SES's gross sales of any products they might market based on IEC research, and patent rights will be divided into four possible categories of research done at the Institute.

The Institute currently derives support from each of these four areas: the Federal Government through the National Science Foundation; SES through the basic \$300,000 agreement; SES through grants above and beyond the \$300,000 and other sources outside these three.

Outside sources have, so far, included seven utilities, who contribute in a no-strings-attached manner to the Institute's work. A comprehensive list of these sources was declared confidential last week, by Dr. Arnold Lippert, Dean of the college of graduate studies and associate provost for research (see story at right).

All research under the first three areas must be on a project basis, with the sponsoring agency requesting a proposal from the Institute. The proposals are then reviewed by an Engineering College committee, and Lippert.

Under the initial SES agreement there are now four projects. The NSF project, which expires this summer, is expected to be renewed. And Auxiliary SES projects are expected.

Boer also reportedly solicited \$250,000 grant from the state a few weeks ago in a presentation to Governor Sherman Tribbitt, who referred the request to a legislative committee.

The Institute also receives budgetary support from the university in the way of utilities and furniture, and other "minor" areas normally required by a university department, according to university treasurer Robert Harrison.

Although today Boer is the largest single stockholder in SES, sources outside the university place his eventual share of the company in 15 years at less than ten percent.



SIGNS OF THE TIMES—The Federal Government has encouraged close cooperation between universities and industry. But precisely this relationship has prompted charges of conflict of interest to surface at the Institute of Energy Conversion.



As chairman of the board, Boer maintains an office at SES and his formal duties include leading the monthly meetings of the board of directors. As chairman he also holds one of nine votes on the board. (The others are held by: the president of a New York City radio station, a Baltimore lawyer, a vice president of U.S. Plywood, the two Shell executives, an investment banker, and DiZio. One seat is vacant).

Boer's relationship with SES—and the amount of influence he wields in the company's activities—is one area where faculty have directed conflict-of-interest charges. Boer's financial interest in SES is substantial, they reason, which could lead him to influence the company in a direction favorable to IEC, or more likely to influence IEC in a direction favorable to the company.

DiZio denies Boer has any influence in the company beyond his vote on the board. "I have absolute control of the company," he says. "Being a majority stockholder does not give him (Boer) control of the company."

Yet Boer's relationship with SES has prompted faculty and some IEC staff to raise questions concerning conflict-of-interest in other areas, also. One of the most critical concerns is that under Boer's direction, scientists might utilize government research sponsored by NSF to "clear the groundwork" for a crucial breakthrough—at which point the information could be shifted to SES, patented, and exploited for profit by the company.

Such activity is expressly prohibited by the faculty handbook, which states that university personnel "with a significant financial interest in, or consulting arrangement with, a private business concern" must

avoid "actual or apparent conflicts of interest" between any government-sponsored university research and "outside interests or obligations."

In recent weeks concern that such a conflict might develop has grown, as SEA prepares to sponsor research into cadmium-sulfide solar cells, alongside the two-year-old National Science Foundation work in the same area.

To prevent a conflict of interest, a complex reporting system is being set up at the Institute which requires that lab reports be initialed by researchers when they have completed their work, and that researchers sign a "confidentiality statement", promising not to reveal crucial areas of their work. In addition, other safeguards are still to be worked out between the company and the Institute.

Yet, those familiar with the arrangements admit the system is not infallible and acknowledge that researchers working on parallel programs in the same institute on the same floor of the same building cannot be isolated. Even today, researchers are forbidden from working on two projects simultaneously, but as one faculty member put it recently, "You can't keep them from talking to each other over coffee."

Boer dismisses the possibility that SES will benefit from NSF research and is worried instead about what he fears is a more likely possibility—that an SES idea might leak to the NSF program, become public knowledge, and prevent SES from ever getting a patent.

Conflict-of-interest charges have also been made in yet another area—Boer's gift of 10,000 shares of SES stock to the university last December. Although several sources say they think Boer's donation might have been more than a gift, Trabant, Boer, and Harrison flatly discount such a theory.

"When I have an opportunity to use my money, I will use it to help society," Boer says, pointing out that he assigned royalties from his patent to be used for energy research at the university. "I couldn't have done any of this if I hadn't been a professor here," he says.

According to one administrator, at a recent meeting Trabant, standing with Boer, pointed to a portrait of H. Rodney Sharp (one of the university's largest benefactors), and half-jokingly remarked that someday Boer "might like to be up there too."

Still another conflict-of-interest charge made recently concerns how Boer manages his own time between the company and the Institute. University policy allows professors one day a week to consult outside the classroom.

Boer admits that he consults with SES president DiZio daily, but maintains that he is also fulfilling his obligations to the university.

"My full interest lies in both organizations," he says. "To do this I am working around the clock. I am in at 8 a.m. and there's no day I leave before 7 p.m. I am spending five full days or more for the university."

But precisely because Boer is so "intensely involved" in both groups, his critics have expressed alarm. "There is a clear division between the institute and the company, except for one man," a member of

(Continued to Page 13)

Lippert Turns Down Information Request

Dr. Arnold Lippert, Associate Provost for Research and Dean of the College of Graduate Studies, has turned down a request to release a comprehensive list of grants and gifts that have been given to the Institute of Energy Conversion since 1972.

"I reviewed the various items," Lippert said in a memorandum, "and have concluded that it would be inappropriate to release them."

In an interview April 18, Lippert had originally agreed to make the information available.

"One must not get into a trap by assuming that unless everything is released there is something suspicious or improper about it. Much of this information relates to individual grantors and judgment concerning the release of this information would have to be made on an individual basis," Lippert added that he felt the information "would not add materially" to an article on the Institute.

Stirs Controversy Around Director, Firm

(Continued from Page 12)

the institute mused recently "I wonder who's keeping track of his timesheets?"

And, as a faculty member concluded: "Two embarrassing things could happen here. Either the entire experiment will fail completely and the university will be left holding the bag; or it will be tremendously successful, someone will make ten million dollars, and we'll have to explain where he got his start."

'Pursuit of a Dream'

The explosive growth of the Institute is almost always attributed to the personality, enthusiasm and "pursuit of a dream" by one man—Karl W. Boer. Boer is referred to as a strong-willed man, who exudes ideas, finds it difficult to delegate authority, and believes in "management by crisis".

"He has ten ideas for every one of ours," remarks a close associate. "We mortals can't always keep up with him. He's trying to build a dream," adds another.

Some of the foremost experts in the solar energy field have left the Institute because they clashed with Boer's strong-willed intention to do things his own way, staff members say. Boer is known for advancing ideas faster than his associates can understand them, frustrating those unfamiliar with his style and overwhelming others, they point out.

Boer is also known as a sort of "salesman" for solar energy and handles most of the solicitation for grants singlehandedly. "He could sell an eskimo an icebox" according to one staff member.

Boer acknowledges he is the center of much of the controversy surrounding the Institute. Yet he remains outspoken about his plans—and his critics.

"At the beginning I had to go out and do it all myself" he says. "I started from nothing. I have in my background a string of unlimited successes. If cadmium sulfide solar cells could make a contribution to society, I could do it. I'm an entrepreneur. I've been in business. I can organize things. I took it as an obligation."

Boer admits his management style is "aggressive" and recognizes this may have caused dissatisfaction. He claims his faculty critics are jealous of what he has accomplished and that, within the institute, "In order to get where we are—to achieve things that would not have been achieved—we had to do things that were unpopular."

Groups Watch IEC

Two university committees have been given the task of overseeing the activities of the Institute and members of each assert that they take this responsibility seriously.

At a lower level, Acting Dean of the College of Engineering Irving Greenfield, who has immediate responsibility for the Institute, consults with an advisory committee on which there are three faculty members, Lippert, and Boer. The group scrutinizes research proposals made by the Institute and makes recommendations on them to the dean.

"If I ever felt there were unethical things going on, I would take the responsibility of eliminating them" Greenfield says. "That I take very seriously."

"This committee is the group that's supposed to monitor and police the ethical part of it. Hopefully we have done a reasonable job. The thing is a borderline case. It could be ethical or it could be unethical. It depends on how one proceeds," he continues.

Greenfield said he was satisfied there have been no conflict-of-interest or ethical violations up to this point. Also, a member of Greenfield's committee, Chemical Engineering professor Jon Olson, said he is satisfied a conflict of interest does not exist, but he warned that "the potential is always there."

Another, committee, comprised of Greenfield, Lippert, and Harrison reports to the Provost on the activities of the Institute. "We haven't shared the answers to the ethical questions with the faculty" Harrison says. "But I think the three of us have been satisfied. I have to be tough. We are the tough guys."



INSIDE SOLAR ONE- Displays give visitors graphic illustration of the need for solar energy. Institute staffers stress the importance of making

solar energy publicly acceptable if their program is to succeed, in harnessing the sun for wide scale use by 1980.

Concerning conflict of interest charges, Boer asserts: "In the long run, the absolute integrity of my own personal office will put every man at ease that I am not profiting from a non-profit organization. I follow to the letter the rules the university sets for other faculty."

Boer acknowledges that even his small share in SES could eventually bring him wealth, but says, "This is the nature of the incentive structure in a free society" and that "the university will become part of my wealth," over the years.

Contrary to speculation, Boer says he intends to remain at the top of both SES and IEC, but plans to leave the day-to-day leadership of those organizations to president DiZio and the new executive director of IEC, George Warfield.

Public Relations

Fueling the debate over the institute has been what some observers claim is excessive emphasis on public relations activities. The case of Solar One, IEC staffers say, is perhaps the best example of how solid research gets "glorified" in translation to a public hungry for quick solutions to the energy crisis.

Newsday, the major Long Island newspaper, called Solar One "no fantasy" and "more than a ray of hope," proclaiming "it is an idea whose time has come." In its March issue, Popular Science dubbed it "the most technologically advanced solar home now in existence." Newsweek reported that Solar One "illustrates the basic simplicity of harnessing solar power for domestic purposes." And New Times magazine concluded that "The media, as anxious for new sources of news as of energy, has fallen all over itself to report the new possibilities."

Yet Boer says "sometimes things come into the press that make my ears stand up. Solar One has been overdone by some reporters who have made it more than it is."

Boer claims the public is often overanxious for a quick solution to the energy crisis and isn't aware of the need for careful research and development.

One among several problems the public has not heard much about was the case of the "eutectic" salts in the basement of Solar One, which store the sun's heat in the day and release it at night. Up until recently the salts were not melting, sources within the Institute report, and electric coil heaters were used to simulate the sun's energy. On a recent afternoon tour, the way the salts were supposed to work was explained—but the heaters and the way they were working was not.

"We have an obligation to tell the public how far we are. But sometimes it has to be simplified so the man on the street can understand" Boer explains. "Deception is something we must stay away from" he states, adding that the Institute must "foster credibility" in solar energy.

As one of Boer's associates explained: "He talks in potential terms, but makes them seem like 'now'

terms. If we were making oranges, and we needed an orange with 15 percent acidity, and we got one with, say, 14.8 percent acidity, Boer would tell everyone we had created the 15 percent orange."

"We try and ignore the publicity" one researcher said recently. "A lot of it we are laughing at. A lot is fantastically cornball. Like the time at the dedication (of Solar One) when Trabant was there stretching his arms toward the sun."

But this researcher and others defend the need for some public relations activities in a young field such as solar energy. Public acceptance is almost as important as scientific breakthroughs, they reason, adding that public relations will encourage legislators to appropriate more funds for needed research.

"Just so they don't start promising things we don't have," says one researcher.

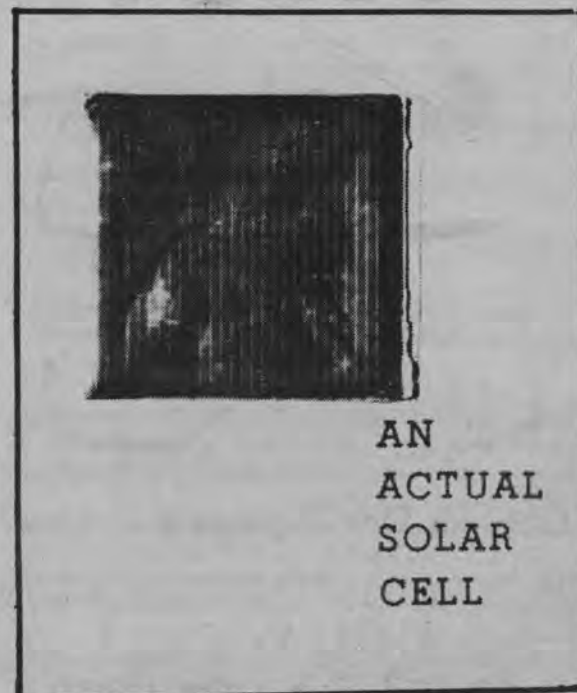
"We are not out for an overnight success" Boer concludes.

"We have a nucleus now. Although solar energy is very appealing, it is very difficult, and cannot be done with one man alone. We need a concerted research effort."

"I am absolutely convinced these research goals can be achieved."

A small sign on a display at Solar One seems to echo Boer's aspirations. "All our research goals are in reach" it says. "We put a man on the moon in the sixties. Let's make solar energy useful in the seventies."

Staff Photos by John G. Martinez



Part of a display at Solar One. Actual size of cell is 3 inches square.



1. What is the name of the park where Yogi Bear resides?

2. The "Weathermen" were symbolic of the political and social unrest of the Sixties. What was the origin of the term "Weathermen" as used by the group?

3. Name the American actor who can claim these credits in his career: an Academy Award for his portrayal of an alcoholic, the direction of a film concerning the panic of a threatened atomic war, the characterization of an altruistic doctor who experiments on himself.

4. What phrase is used by Steve McGarret (played by Jack Lord) at the conclusion of each episode of "Hawaii Five-O"?

5. Which one of the following baseball stars was not honored as Rookie of the Year: Tom Seaver, Willy Mays, Frank Robinson, Mickey Mantle, or Pete Rose?

6. What nation is the world's largest exporter of dairy products and also has its capital at Auckland?

7. What 1957 film starred Frank Sinatra and Sophia Loren, and featured an enormous cannon used by Spanish resistance fighters against Napoleon?

8. Earl Warren won fame for his leadership of the Supreme Court. Warren once ran for the vice presidency of the United States. Who was his running mate?

9. This singer-songwriter's biggest hits included "Hey Baby," "Pretty Woman," and "Only the Lonely." Who is he?

10. Gil Hodges managed the New York Mets to a World Championship in 1969. The sparkplug of the team during the Series was an aging first baseman who spent several years with the Pittsburgh Pirates. What was his name?

(Answers on Page 16)

... Glasgow High School

(Continued from Page 3)

needs," Brandt commented. "At Glasgow we work hard at de-emphasizing college, working instead in terms of career education."

With this idea in mind, the staff at Glasgow created its own grading system.

Brandt indicated that the thrust of this system is "to create an atmosphere of success as opposed to one of failure. With the point of departure being a C, a student does not have to think in terms of failing."

"At Glasgow we try to work along the philosophy that when students

are required to come to school by law, we have programs which they are not only interested in, but which they can succeed at," he commented.

Student reaction to Glasgow is varied. One sophomore remarked, "It's great! When I first came here, I didn't think I'd like it, but now it's really great." Most students commented on the fact that it is hard to get used to not

having juniors and seniors in the school. As one girl put it, "There just aren't any older guys here."

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738-2491

... Fitzgerald Reacts

(Continued from Page 5)

Part of his function is to maintain contact with other agencies and professionals to improve the department's services. He also helps initiate projects such as Community Days and a high school students' employment center for part-time domestic work. Resources and skills are used to "help others find open and free ways to reach their potential."

Fitzgerald is now involved in the Pastoral Counseling and Consultation Center of Newark, which will open August 1. The center will provide psychological counseling and training of others to assist troubled persons. In addition, to the center, Fitzgerald has plans to obtain access to cable television for use by anyone in the community who wishes to express some feeling or idea. He believes people don't feel they have power over their environment. This would be one means of providing some control to residents.

Fitzgerald, 31 years old, graduated from Penn State with a degree in zoology. He did some masters work in

genetics here at the university, but quit because he didn't really like it, in addition to developing an allergy to the animal he was researching. He then worked one and a half years as the university's first registration department head. Later he was drafted. But as a conscientious objector, he was assigned to public welfare in Wilmington. There he was a social worker helping foster children adjust to new parents. He also worked with the natural parents to help solve their problems. Fitzgerald explained that it was "very frustrating," and asked, "How do you make major changes in people's lives?"

The young, moustached Fitzgerald has never turned anybody away, adding, "I love the job. It's very vital and exciting."

He doesn't know exactly how many university students have come to Human Services because there are no records kept. He feels that this would injure the relaxed atmosphere. One is immediately put at ease when Fitzgerald opens his door and says, "Hi, Come on in."

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Looking for College Park or other house to rent or sublet. Call 369-5340 evenings.

Bassist sought by drummer to form group. Should be into jazz, jazz-rock, and rock. 738-6676.

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Sublet: June-July-August - 1 bedroom apartment, Towne Court, Elkton Road. \$152.50/month; air conditioned; garbage disposal. Call 368-2042.

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Zenith record player. \$35, in good condition. Sue, 342, 737-9668.

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... 'The Three Sisters'

(Continued from Page 5)

The lighting effects, especially the night scene at the beginning of the second

act, create a dramatic on-stage realism. The hand-made costumes add another touch of reality to the play, as all are identical reproductions of the fashions of the early 1900's.

But the final credit for this excellent production should

be given to Hansen for bring all these concepts together.

He successfully stages this difficult production.

"The Three Sisters" will be held in Mitchell Hall Friday, Saturday and Sunday at 8:15 p.m. Admission is free for students.

Answers to Phantom Facts

1. Jellystone National Park.
2. As stated by Bob Dylan, "You don't have to be a weatherman to know which way the wind blows."
3. Ray Milland.
4. "Book him."
5. Mickey Mantle.
6. New Zealand.
7. "The Pride and the Passion."
8. Thomas Dewey.
9. Roy Orbison.
10. Donn Clendenon.

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Women Netters Win

Hens Dump Ursinus in Strong Winds

By PEGGY FRICK

Despite a strong wind, the women's tennis team netted a 5-2 victory against a strong Ursinus team Wednesday.

Diane Wolff, playing at third singles was the only one to blank out her opponent 6-0, 6-0. Kathy Conine contributed the other straight set singles win with a 6-1, 6-0 tally. "The wind was the dominating factor," said Conine, adding, "my opponent was strongly affected by it. I used the wind to my advantage and our rallies were kept short."

Elaine Derrer and Kate Smith emerged on top after split sets. "I was out of practice so it took me a long time to warm up," Derrer commented after her 1-6, 6-0, 6-2 triumph, "but then I tried harder and finished strong." Smith defeated her opponent 5-7, 6-4, 6-3 sets.

Playing at first singles, Kathy Satterthwaite fell to her Ursinus opponent 3-6, 1-6.

Delaware and Ursinus split the wins in the doubles matches. Penny Burr and Heather Smith were the victors in a 6-2, 6-3 match. "There wasn't much to our match," said Burr, noting that the wind played an important part in their win. "Besides, it was our next to last match, so we were psyched to win," she added.

Ursinus gained their second win of the day when Alicia Arizin and Jenny Matlack met defeat 3-6, 7-5, 4-6 after a two hour match.

The team's record stands at 4-2, with one remaining match to be played with Franklin and Marshall today behind Carpenter Sports Building at 3:30 p.m.

In action earlier this week, the team suffered its second loss, falling to Towson 2-4.

Metal Makes a (Tennis) Racket

By DUKE HAYDEN

Ever since metal rackets first made their debut on the tennis court, there has been a running controversy over whether metal rackets are better or worse than wood rackets.

Of the seven members of the Delaware tennis team, five use metal rackets and two use wood. Although the wood users are number one and number two on the team, there does not seem to be any direct relationship between ability and the preference for wood, since many professionals use metal rackets.

The controversy centers around the fact that a metal racket hits the ball harder while the wood racket gives the player more control over his shots.

"I first tried a metal racket about seven years ago, and I liked it immediately," said co-captain Steve Shukow. "I found out that I could hit the ball harder with less effort and now I'm spoiled, and I'll probably never go back to wood."

Bill Moldoch, who plays at sixth singles, agrees with Shukow adding, "I get a little more 'zip' on my serves with the metal racket."

Jeff Dumansky, number one singles player, prefers wood, however. "You can hit the ball harder with a metal racket because there is less wind resistance, but there are weak spots in some metal rackets and you can't get the feel with the metal racket that you can with wood. The Head Master (a metal racket) comes closest to a wood racket and I could use it, but I get my wood rackets for free."

Economics is also the determining factor for Jon Zolin. "I used to use a wood racket, but they broke too easily when I threw them and it got to be too expensive, so I switched to metal."

Jeff Olmstead is the only other Delaware player to use a wood racket. "When I was younger, I tried a metal racket and I liked it because I could hit the ball harder. But as I got older, I got stronger and I found out that I couldn't control the ball very well, so I switched back to wood."

Since all the members of the team have tried both metal and wood rackets, the controversy simply seems to come down to a matter of personal preference. It is not likely that metal will eventually replace wood altogether, as it has in golf, but metal rackets are obviously here to stay.



Staff photo by Duane Perry

..METAL MONSTER-This is an example of a metal tennis racket used by most of the Hen netters.



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Staff photo by John G. Martinez

MARSHMELLOWED- F&M's Marshall Long runs into difficulties with (l. to r.) Lawrie Sayre, Terr Niemeyer, and Mike Strasser during last week's game. The Hens bowed to Drexel Wednesday and visit Bucknell tomorrow.

... Striders Breeze

(Continued from Page 19)

Striders took second.

The 880 yd. run featured the best competition of the night in the running events. Dave Ridge, who took second in the second in the Delaware State Track Meet his senior year at Salesianum, won in 2:06 for the Striders with teammate Stuart Chirtel in second. With only the hurdles for rest between the 880 and the mile, Ridge came back with a second place finish in that event. Fellow teammate Bob Shenkle took first, outdistancing the field in 4:49.5.

To close out the running events, Schilly won the 440 yd. dash in 53.7 with Vosburgh of ATO in second. The 440 yd. relay ended with SPE taking first in 47.3 with ATO a close second.

In the field events, Smith of SPE won the long jump in 19'7". The shot put was won by Champion of Russel E, who threw 42' and then came back for a second in the discus. Boxtan, representing the BSU, took second in the shot while Fleetwood of Sigma Nu won the discus with a toss of 126'4".

In the last of the field events, the high jump, using the headlights of a car for lighting, was won by Hardy of the BSU with a leap of 5'11" while Karsnitz of Sigma Nu placed second.

... Netters Eye MAC

(Continued from Page 20)

only one match during the season and Jeff Dumansky, who lost only two matches. Next year's team also looks strong since only Dumansky and Moldoch are graduating.

The netters now have to wait until the winner of the

Eastern Division of the Middle Atlantic Conference is decided before the playoffs can begin. "I think that there is a three-way tie for first place and the winner probably won't be decided until next week," said Rylander.

Drexel Drops Hen Laxmen, 7-3

Lose Third Straight as Dragons Stymie Offense

By SUSAN ROSS

"I think we dominated the game except we just couldn't get the ball in the goal," said sophomore midfielder Mike Strasser after the Hen laxmen dropped their third game in a row Wednesday. That loss was at the hands of the Drexel Dragons on their field in Philadelphia by a score of 7-3.

"I don't know what it is," mused Strasser. "It's strange."

Midfield partner Mike Quinn offered, "We were too attack oriented." He explained that the most effective kind of offense is a balance of play between the middies and the attackmen. Against Drexel, the team was concentrating on more attack.

"We had been getting a lot of scoring out of the midfield," Quinn pointed out. "Our middies are strong scorers, but lately some of them, including myself, haven't been scoring too much," he added.

Delaware failed to score from any position in the first period of Wednesday's contest. Dragons Jeff O'Donnell and Ira Peezick tossed in single goals to put Drexel ahead 2-0.

Then in the second period, Hen freshman Rich Mills took a feed from Quinn and fired it low in the left-hand corner of the net for a score. Meanwhile, the Hen defense closed the scoring gate completely on Drexel.

"I think that the defense played real well—that's a bright spot," said Delaware Coach Jim Grube. "Drexel has two real good attackmen in (Bob) Ambler and (Ira) Peezick," he pointed out, "and

they (the defense) did a real good job of shutting those two off." Al Brown handled Peezick masterfully, allowing him to break through for only one goal. Ambler didn't have any counters himself, but did add three valuable assists.

In the third period, Bruce Vosburgh carried the ball across midfield and charged in to score, tying the game at 2-2. After Tom Davis combined with Bob Butterworth for the go-ahead goal with 7:47 to play, it looked like Delaware was going to turn it on.

However, a strategic time out called by Drexel's coach and a goal from Dragon Steve Ranft bit into the Hens' excitement. The rest of the quarter went scoreless, and the game was again tied at 3-3.

The last period saw Drexel's Jeff Miller single-handedly take away Hen chances for a victory. He put in four goals in a row from left center, while Delaware couldn't manage anything scoring-wise.

Statistically, the Hens dominated for three quarters, but Drexel evened them up in the fourth. The Hens had 21 shots to Drexel's 22. Dragon goalie Han Gulbrandsen had six saves; Steve Smith had 12 for Delaware. Drexel dominated the faceoffs ten to four, but they also spent more time in the penalty box, 9 penalties to Delaware's four.

"We had the game, and we let it slip out of our hands," said Grube. "Our offense just didn't generate goals. We should have been able to score more."

Delaware's record now drops to 6-4 for the season. They will travel to Bucknell searching for the elusive victory on Saturday.

"They're going to be real tough," stated Grube. "Bucknell up there is always a tough game."

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Hen Golfers Take Third in MAC's

Temple and Bucknell Ruin Perfect Season (16-0) for Duffers

By ELLEN CANNON

Delaware golfers took their 16-0 record to the Middle Atlantic Conference golf championship at Host Farm in Lancaster, Pa. last weekend with the hopes of capping their best-ever season with the MAC title. But that was not to be as the Hens had to settle for third place.

"Temple and Bucknell played well the first day," Coach Scotty Duncan said of the first and second place teams. "On the whole, we put together one good day and they both had two good days."



photo by Ellen Cannon

FOLLOW THROUGH- Hen golfer Ernie Fyrwald follows on his tee shot during action at the MAC championships held last weekend in Lancaster, Pa. The Hens finished third to blemish their perfect season.

Temple compiled a 746 total to win the championship, while Bucknell shot 762 to capture second place. Delaware was four strokes behind the Bisons at 766. West Chester and Lehigh placed fourth and fifth respectively.

Medalist honors went to Gary Hardin of Temple who defeated teammate Joe Drygas in a playoff. Both golfers had a 36-hole total of 147.

As for the Hens, freshman Ernie Fyrwald placed fifth overall in the tournament with a 151 total. "Ernie played super on Monday," Duncan said of Fyrwald's second round 74. "He didn't three-putt the entire round."

Charlie Horn carded a pair of 76s to take sixth place, but Duncan felt that he "scrambled" too much. Charlie took chances trying to play sub-par and when he didn't make it, he had to regroup and consequently shot 76 both days," Duncan said.

On Monday, Andy Smith trimmed six strokes off his Sunday opening round of 80 to share tenth place with Shaun Prendergast and a group of others.

"We played well the second day," Duncan said. "The boys fought for the lead and I think Temple and Bucknell knew we wouldn't quit," he said.

En route to the MACs last weekend, the golfers defeated Villanova and Johns Hopkins at Louviers on Thursday, then won a quadrangular match against American, Rider and Gettysburg at Host Farm on Saturday.

"Our season is not a flop because we didn't win the MACs," Duncan remarked. "You can't belittle what it took to get a 16-0 record."

Delaware golfers have never had an undefeated season and Duncan stressed the fact that this season "belongs to them—the eight golfers who made up the team."



Staff photo by John G. Martinez

CLEAR THE TRACK- Nate Beasley will be a running back for the Blue team tomorrow in the annual Blue-White game that will be held in Delaware Stadium at 2 p.m. The Blues (experienced offense, young defense) will be going after their second straight victory over the Whites (young offense, experienced defense). Their 21-7 victory last year stopped the two game winning streak of the Whites, who prevailed 13-10 and 17-6 in 1971 and 1972 respectively. The game will conclude the 20 days of spring practice for the Hens.

Striders Breeze to Intramural Track Title

By JACK CROFT

The Classic Striders, an independent team made up of former Delaware high school runners, particularly from Concord and Salesianum, ran away with the 1974 Intramural Outdoor Track and Field Meet, held Monday night under the lights.

The 220 yd. dash opened the meet with Carven from Kappa Alpha taking first in a new I-M record of :22.6 while Mike Schilly, former Salesianum standout and captain of the Classic Striders, finished second. Carven

also won the 100 yd. dash in 10.3 but, at last report, his eligibility was being questioned by the intramural department. In the 100, Guisto of Sigma Phi Epsilon took second.

In the two mile run, Paul Richards of the Striders cruised to an easy victory in 11:23.4, with former Concord teammate Bill Acquard a distant second.

In the 120 yd. low hurdles, it was Sciochetti of ATO winning impressively in 14.9 clocking. Bob Harding of the

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Nothing Like Running

By STEVE SCHLACHTER

Larry Tomsic is the kind of a guy that you would like to have as your friend. He would do anything for you, just the type of guy who is helpful in time of trouble. One person who benefits from the comradeship of Tomsic is Charlie Stewart.

"Charlie and I have been running together for the last six years beginning at Dickinson High School and we've grown to really have a lot of respect for each other's abilities," said Tomsic. "I used to totally dominate in the 880 in high school, but Charlie has done better since college."

Although Tomsic concedes a better overall performance by Stewart, he is not without his own excellence. "I ran my best time this year in the 880 during the Bucknell meet and it had taken me four long years to break my previous best," he confessed.

"I haven't been satisfied with my performance this year, though. It seems that I've been very inconsistent and not really being able to run like I would like to. I should be beating some people that I'm not beating."

"I have been working hard lately," he continues, "and I have confidence that my times will improve for the upcoming meets. Besides myself, I would like to see the team do well because that is what it's all about."

"If I was to set a goal right now I think it would be getting to the MAC finals in the 880. If I could get my time down to about 1:53 or 1:54 I would be in good shape to get a shot at it."

Larry Tomsic and Charlie Stewart are roommates and track is a big topic of conversation on Gilbert E third floor. You would think since they both compete in the 800 that there would be some hard feelings about losing but this isn't true.

"I think my biggest contribution to the team this year and last year has been my helping Stewart improve and become a top performer from the dog he was," Tomsic muses. "It has really made me become proud when Charlie does the job even if I am a few steps behind watching him win."

"Track is a great sport and I've got many friends who are on the team. We all share the same feeling that when you are running there is nothing like it. It seems that you can run forever when you feel good. There is friendly rivalry but we all pull for each other to win."

Tomsic keeps track separate from school work, though. He is a junior accounting major and has hopes that track will be a part of his life in the future.

"I am working towards being a Certified Public Accountant right now. I'd like to make enough money so that at the age of 40 I could begin to take it easy and maybe teach accounting and coach track at the same time. I try and do well in life as I try my best in track to do well."

"I've been lucky at Delaware to have found such a great group of people to work with and be around," he concludes. "The great times and experiences that I am having here are bound to help me in life."



TOMSIC TAKES OFF
"...working hard lately."



STEWART SPURTS-
"...Charlie does the job."



Staff photo by Pat Hodges

EASY PITCHING- Hen chucker Rick Shaw finds the throwing easy when you have a six run lead, during Tuesday's action with Villanova. The Hens meet Lehigh in a crucial MAC match-up here tomorrow at 1 p.m.

Hen Nine Blast Villanova, 19-4; Prep for Engineers Tomorrow

By ROBERT DUTTON

Poor sportsmanship and a fight marred an otherwise impressive 19-4 victory by the Hens over Villanova in last Tuesday's game at the Delaware diamond.

"Their man just pulled a bush play out there, that's all," said Hen Coach Bob Hannah in a mood that showed that he preferred not to talk about the incident.

The incident occurred in the top of the eighth inning with the Hens leading 13-4. With one out and Dempsey on first, Hen pitcher Greg Diehl was facing the Villanova designated hitter Gabriela. Gabriela hit a routine ground ball down to Hen shortstop Frank McCann who flipped the ball to secondbaseman Bobby Urbine to start the double play.

Dempsey made no attempt to slide, but rather charged into Urbine knocking the Hen second

sacker into left field. When Urbine recovered he said something to the Wildcat base runner who subsequently started pushing. At this point McCann came over and Dempsey shoved him also.

Suddenly both benches emptied and the entire field was covered with players. The coaches and umpires, to their credit, kept cool heads and eventually cleared the field before anything serious happened.

Gabriella was called out at first because of what the umpires called an obstruction play, and thus the side was retired.

The first batter for the Hens in the bottom of the inning was John Jaskowski. Jaskowski made everybody forget about the incident when he homered over the left field fence. The entire Hen dugout emptied to congratulate Jaskowski, as is a Hen tradition when a player hits a home run, but this time there seemed to be an added zest to the greeting.

Delaware continued to pound Villanova reliever Donio for five more runs in the bottom of the eighth. Ken Rouh had a chance to put the Hens in the charmed 20-run circle with runners on first and second with two out but the Hen left fielder flied out.

The game, that saw Delaware jump out to a six run lead in the first inning was never a contest. The Hens added two more in the second and another in the third to lead 9-0 before Villanova could even score.

The Hens continued to pound Villanova with four more runs in the seventh before getting six in the eighth.

"Villanova is very short on pitching," understated Hannah. "That one boy of theirs pitched seven innings, and gave up thirteen runs—" he continued, leaving one to draw their own conclusions.

The 19 runs and 21 hits represented the biggest Delaware offensive output of the year. Hannah hopes the heavy hitting continues through the weekend, as the Hens meet Lehigh in a doubleheader tomorrow that will make or break the season.

The Hens are currently in a very tight race for the title of the Western Section, that they won a year ago. Delaware owns a 6-1 record, with Lehigh next at 6-2, followed by Lafayette at 5-2. The race is further complicated by the fact that the Hens had one game rained out with the Leopards.

If the Delaware-Lafayette rain game will have any bearing on the final standings of the clubs, then it will be made up. But as Bob Hannah said last week, "We've got to beat Lehigh first."



Staff photo by Duane Perry

NICE AND EASY- Hen netter Bill Moldoch displays a fluid motion during recent action. The netters won the Western Section of the MAC and are now waiting for their opponent for the finals to be determined.

Netters Await MAC Finals Opponent

By DUKE HAYDEN

With a 9-0 victory over Drexel, on Wednesday, the Delaware tennis team ended their most successful season ever, compiling a record of 18-3. Drexel proved to be no match for the Hens, as all but one of the singles players won their matches in straight sets.

Jeff Dumansky, at first singles, defeated Brian Nothnagel, 6-3, 7-5, while Jeff Olmstead beat Jim Marks, 6-0, 6-3, in the second singles match.

Allen Shukow won an easy match over Jeff Deicher, 6-0, 6-2, at third singles while brother, Steve, downed Arn Lockstein, 6-4, 6-2, at fifth singles.

At fourth singles, Jon Zolin defeated Chris Bennett, 6-4, 6-0 and Bill Moldoch completed the singles matches with a long three-set victory over Don Taylor, 7-6, 6-7, 6-0.

Since the netters had already clinched the match, coach Roy Rylander decided to do some experimenting in the doubles matches. At first doubles, Jeff Dumansky teamed with Jon Zolin to beat Nothnagel and Marks, 7-6, 6-7, 6-1.

Bob Cohen and Steve Shukow remained together in the doubles, but found themselves at second instead of third doubles. The change did not seem to bother them, however, as they downed the team of Deicher and Lloyd, 4-6, 6-2, 6-1.

The third doubles team of Allen Shukow and Paul McBride ended the match with a 7-5, 6-2 win over Lockstein and Ryan.

"The reason for the change in first doubles was that Jeff Olmstead broke strings on both of his rackets," explained coach Rylander. "Third doubles was changed because Moldoch had a very long match and he was tired."

Outstanding performers for the season were Jon Zolin, who lost

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Fans Have Responsibilities Too

By Robert Dutton

It is an ugly sight when a fight occurs on a baseball field. It is unnecessary and inexcusable. In ice hockey it is accepted, in football and lacrosse it is frowned upon, but in baseball there is no room for it.

In Tuesday's encounter at the Delaware diamond between the Hens and the Villanova Wildcats a brawl broke out in the eighth inning. Whether you blame Dempsey (the Villanova base runner) or Bobby Urbine (the Hen secondbaseman) the fact still remains that the incident should not have occurred.

For the uninformed, the incident came about when Dempsey was at first base with one away in the Villanova eighth. The Hens were leading at the time, 13-4, so it was understandable that Dempsey was upset. The Wildcat batter was their designated hitter, Gabriela. Gabriela hit a grounder down to Frank McCann at short who flipped the ball to Urbine to start the double play. Dempsey made no effort to slide but rather rammed Urbine head on and knocked him into

left field. When Urbine recovered he said something to Dempsey who seemed to take offense, and started to shove Urbine. McCann then came over and Dempsey shoved him also. It was at this time that the two benches emptied.

Why did this happen? There was no reason for a fight with the score 13-4. True, a team gets frustrated when it is way behind an arch-rival, but this is not enough reason for a brawl. If every team fought when they fell way behind the baseball would resemble hockey with fights occurring regularly.

The blame should be placed on a group of fans at the game. Specifically the brothers from the Alpha Tau Omega fraternity. All athletes accept the fact that fans have the right to boo and to bench jockey the players. But the extent to which the ATO brothers abused this right with their vicious name calling was inexcusable and worse yet, unbelievable.

It is understandable, yet not acceptable, that the Villanova players got heated. When a lopsided score combined with the noise from the fans—the Villanova players grew edgy. This led to first arguments with the umpires, then later the base running escapade.

It seems ironic that the major supporter of the

Delaware athletic teams should turn out to be the culprit. It is a sorry sight when you only see 50 people at a baseball game, or only 1200 at a basketball game. It is true that ATO is the only major organization of any kind to support the Hens—this includes dorms, frats, sororities, etc—in every sport, and for this they should be commended. It is also commendable that they donated the television won for best attendance at basketball games to a halfway house. But if they are going to act the way they did at Tuesday's baseball game then the athletic program is better off without them.

Don't pass this off as just another shot fired at the Greek system here at Delaware.

A typical cry of the Central Fraternity Government is that everybody is down on fraternities—that they have to change their image. If the image they portray on campus is typical of the image the brothers of ATO portrayed at Tuesday's game, then most certainly they must change their image.

Robert Dutton is Assistant Sports Editor of The Review and a member of the Delta Tau Delta fraternity.