Lucey discusses recent nuclear reactor crisis at Three Mile Island

by Michael Omesnak
Staff Reporter

John W. Lucey, associate professor of aerospace and mechanical engineering, spoke before a crowd of 500 people in the Engineering building last night on the subject of nuclear reactors and the crisis which occurred at Three Mile Island, near HARRISBURG, Pa., last week.

Lucey's talk was part of a meeting of the Notre Dame branch of the American Society of Mechanical Engineers.

Observer insight

Utilizing detailed slides of the nuclear facilities at Oconee, S.C., Lucey described the basics of how a nuclear reactor operates, what can happen if something goes wrong inside a reactor, and what probably happened at Three Mile Island.

Lucey's slides were effective for this three-fold purpose because the Oconee reactor was built by Babcock and Wilcox, the same corporation which designed the reactor which malfunctioned at Three Mile Island.

"Nobody knows precisely how or why the crisis occurred. It will probably take several months, maybe a year to find the answers," said Lucey, citing radiation and excessive heat within the reactor complex as the reasons for the lengthy time it will take before technicians can safely examine the reactor.

Lucey stated that it is not yet clear if it was an operator's error or some mechanical foul-up, which caused the malfunction. He added that stores coming out of HARRISBURG are still vague and often in conflict.

Chicago elects Byrne...

CHICAGO (AP) - Jane Byrne captured the Chicago mayoralty yesterday and catapulted its image in doing so - winning a record percentage of the vote in being elected the city's first woman mayor.

"It's been a great night for Chicago," she told more than 20,000 supporters in a victory speech less than three hours after the polls closed. "And I hope that everybody here will always remember what we started in the winter of '79. And I hope you'll never let the spirit stop ever again."

Mrs. Byrne, 44, won by a landslide, surpassing the mark of more than 77 percent set in 1973 set in 1973 by her mentor - the then Richard J. Daley, who was elected mayor ten times.

With 2,979 of the city's 3,100 precincts or 96 percent of the vote, 11,010,000 votes, to Republican Wallace John son's 13,261, Socialist Workers Party candidate Andrew Pulley received 14,906 votes.

Johnson said reporters in, concealing that he had spoken with Mrs. Byrne and congratulated her. "In the words of Abraham Lincoln, 'It hurts too much to laugh, but I'm too big to cry,'" Johnson said. "I have no regrets, it was a great experience."

Johnson, an investment banker had never held elective office. An Associated Press-WMAQ-TV poll of 3,000 voters showed Mrs. Byrne received 11 percent of the Democratic vote and 71 percent of the independent vote.

Mrs. Byrne narrowly defeated Mayor Michael Bilandic, who had support for both party regulars, in the Feb. 27 primary. For her it was a battle of two forces.

Bilandic had fired Mrs. Byrne, a Daley protégée, from a cabinet-level post after she publicly charged that Bilandic helped "grease" the way for approval of a taxicab fare increase.

HARRISBURG, Pa. (AP) - Federal officials said yesterday that a troublesome gas bubble no longer poses any significant danger of explosion at the Three Mile Island nuclear plant, advancing efforts to bring the disable reactor to cold shutdown.

Declaring "the bubble has been eliminated for all practical purposes," Harold Denton of the Nuclear Regulatory Commission told reporters, "I think the danger point is considerably down from where it was a few days ago."

It would say there is no more bubble at the top of the core. We no longer consider a hydrogen explosion."

Meanwhile, speculation arose that the crippled reactor might have to be junked, but one NRC official said he doubted that.

While Denton, President Carter's special representative at the scene, held the briefing, tension was easing in the weeklong crisis caused by the worst nuclear mishap in U.S. history. Civil defense official estimated that between 80,000 and 250,000 of the region's 950,000 people had remotedly pulled out, but thousands were returning yesterday and some schools were being reopened.

Asked when the emergency would be over at Three Mile Island, Denton said: "We are working on a developing and looking at plans of the more effective way to bring this reactor to a cold shutdown."

He declined to predict exactly when that might be accomplished.

Asked about concerns that some safety instruments have failed because of intense radiation in the reactor, Denton said some sensors were lost but most are redundant and we have other means of getting the information.

While success authorities have in achieving a cold shutdown, Denton said the plant's crippled No. 2 unit was not likely to be back in operation for "a considerable period of time."

Denton said the reactor's core remained at a stable at 280 degrees Fahrenheit.

Robert Bernero, and NBC decontamination expert, arrived from Washington to assess ways of eventually cleaning up the radiation in the facility - task he said would take "many, many months, maybe a year or two."

However, Bernero was skeptical of suggestions on Capitol Hill that the reactor was so contaminated by radiation it would have to be abandoned. "I doubt that it cannot be used again... I don't know," he said.

He was responding to a comment by Sen. Gary Hart, D-Colo., chairman of the Senate Public Works subcommittee on nuclear energy.

[Continued on page 6]

Daughter reflects on victory

by Pam Degnan
Staff Reporter

CHICAGO - Spring crept into South Bend yesterday. The fever struck again - spring fever, that is. Instead of scoring in the rays, Kathy Byrne quietly slipped away from Saint Mary's and drove into Chicago. She wanted to see history in the making.

On April 3, Kathy Byrne watched her mother Jane Byrne walk off her "cousin Wallce Johnson by collecting 81 percent of the vote to become the first woman to be elected mayor of Chicago."

"It is very satisfying to know," Kathy said after learning of her mother's victory "that my mom has accomplished what she set out to do. I wasn't surprised. After all, she was the people's choice." A year ago at this time, Kathy firmly believed that the name Jane Byrne would fall on deaf ears in Chicago. How could an aspiring mayoral can didate expect to win, being both unfunded and unstaffed?"

"I really didn't think my mother had a chance," Kathy said yesterday. "She faced a lot of opposition when she exposed the corruption in Bilandic's administration. Somehow I thought he would steal the (primary) election away."

Kathy said she decided to work for the Byrne campaign to...
Underground cable fire causes blackouts in Boston

BOSTON (AP) - New manhole fires erupted in Boston's busy Back Bay district yesterday, knocking out electrical power to skyscrapers, stores and hundreds of homes for the third time in 36 hours. Utility officials said the power could not be restored at least until nightfall. Hundreds of restaurants, apartment buildings, and other businesses lost power, and traffic was snarled by deadened intersection lights when the latest outages occurred at 10 a.m. About 12,000 utility company customers - homes and businesses - also were without power, officials said. Pedestrians and drivers were forced to cross manholes burst into flames on Commonwealth Avenue, about one hour after power was restored in the district. All the fires appeared to stem from an underground cable fire on Sunday.

Weather

Periods of rain today, possibly mixed with snow by afternoon. Highs in the upper 30s to low 40s. Periods of sunshine likely tonight. Lows around 30. Considerable cloudiness tomorrow, windy and cold with a chance of snow flurries. Highs near 40.

Campus

Alcohol


The third and fourth, meet­ings are open to the rest of the Notre Dame-Saint Mary's Studen­t Body, and the rest of the community. The third meeting will be tomorrow night from 6:30-9:30 p.m. in the Galvin Life Sciences Auditorium, and the fourth and final session will be held next Friday morning from 8:30-11:30 a.m. in the Grace Hall Lounge.

The Observer

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COURTESY OF THE SMC STUDENT ACTIVITIES OFFICE, 166 LEVANS - DEADLINE THURSDAY, APRIL 5. APPLICATIONS WILL NOT BE ACCEPTED AFTER APRIL 9.
In second day of WOW

Profes. describe women's roles

by Ellen Budy
Saint Mary's Editor

The second day of Women's Opportunity Week (WOW) began Friday with a presentation, followed by a dialogue between Jameson and Sokolowski. The presentation was given by three Saint Mary's professors: Penny Jameson, Psychology; Deanna Sokolowski, English; and Carol Ann Carter, Art.

A slide presentation accompanied by a dialogue between Jameson and Sokolowski opened the Quorum. All three women worked together coordinating the slides and the dialogue. It presented the life of woman beginning with infancy and progressing through childhood into adolescence and womanhood. At this point the presentation took a more serious turn and looked at women as a wife, followed by motherhood and then becoming the working woman. This brought the chronological sequence to middle age, the feeling of being nobody and on into old age. This aspect of the quorum was humorous, satirical and serious. The slides ranged from magazine advertisements to classical paintings. The dialogue included works by such women writers as Anne Sexton, Sylvia Plath, Katherine Mansfield, Margaret Atwood and Marge Percy.

Jameson's individual contribution to the presentation discussed women with respect to art history. She reviewed women's identity and roles in ancient art. The earliest Egyptian art from Egypt, where the women found all over Europe depicted women with exaggerated and power of self and sexuality. Fricke, the role of women as the procreators gave them honor and respect. Fricke noted, "You never see women in servant poses," Fricke said.

The artwork of the Minoans are also noted for their female with her arms crossed in the typical stance of a deity, again showing her distinction as child bearers. Fertility symbols found all over Europe depicted women's identity and roles in ancient Greece, Fricke noted. These sculptures, which are also noted for their marble construction, depict the female with her arms crossed in the typical stance of a deity, again showing her distinction and importance. Males, on the other hand, are shown in servant or musician poses. "You never see men in servant poses," Fricke noted.

The Earth-Mother depiction shown in ancient art due to their distinction as child bearers. Fertility symbols found all over Europe depicted women's identity and roles in ancient art. The earliest Egyptian art from Egypt, where the women found all over Europe depicted women with exaggerated and power of self and sexuality. Fricke, the role of women as the procreators gave them honor and respect. Fricke noted, "You never see women in servant poses," Fricke said.

The role of women varied from the Minoans, who had a matriarchal society, to the Moors, who were patriarchal. In each society, however, according to Fricke, the role of women as the procreators gave them honor and respect. Many of these civilizations worshipped the idea of the Earth-Mother, she added.

The earliest Egyptian art depicts women on an equal level as men. This changed under Ramses II, whose images are 60 feet high while the images of his wife barely reach his knees. Still later the only woman ruler of Egypt is pictured as a man, although it did not seem to bother the Egyptians to have a woman ruler, Fricke said.

The first nude female figures are found in a civilization in the Aegan Sea. These sculptures, which are also noted for their marble construction, depict the female with her arms crossed in the typical stance of a deity, again showing her distinction and importance. Males, on the other hand, are shown in servant or musician poses. "You never see women in servant poses," Fricke noted.

The artwork of the Minoans depicts no difference between males and females, except in the darker shading of male skin tones. Both males and females are shown performing the same tasks, however. The Earth-Mother depiction is prominent in the Mycenaean civilization in ancient Greece, Fricke noted. "The facial features are not shown since it is not important who it is, just what it is," explained Fricke.

[Continued on page 4]

Fricker speaks on importance of women in ancient art

by Margie Brasel
Assistant Saint Mary's Editor

Michele Fricker, Director of moreau gallery traced the portrayal of women in the art of ancient civilizations. She illustrated her talk, entitled "Women in Ancient Art," with slides of art from primitive Egyptian, Mycenaean, Minoan and Greek civilizations. Her presentation was the second yesterday as part of the Women's Opportunity Week. Fricker spoke about the importance that women were shown in ancient art due to their distinction as child bearers. Fertility symbols found all over Europe depicted women's identity and roles in ancient art. The earliest Egyptian art from Egypt, where the women found all over Europe depicted women with exaggerated and power of self and sexuality. Fricke, the role of women as the procreators gave them honor and respect. Fricke noted, "You never see women in servant poses," Fricke said.

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lege
Faculty were asked 

At Faculty Assembly

Duggan appoints Durmance

by Ellen Buddy
Saint Mary's Editor

Dr. John M. Duggan, Presi-
dent of Saint Mary's College
announced the appointment of
Larry Durmance as the vice-
president for administrative
s of yesterday's Faculty Assem-
by. Durmance comes to Saint
Mary's from Regis College in
Denver.

Duggan went on to explain
that this position is not to be
confused with that of Dr.
William Hickey, vice-president
and dean of faculty.

"In no sense is this vice-
president an equal to Bill
Hickey," Duggan said. Dur-
mance's position involves col-
lege relations in an external
aspect. Rita Clevett, associate
professor of history, noticed
that the annual Alumni Phone-A-
thon will begin . .ril 17. Faculty
were asked to participate in the
fundraising.

The Assembly unanimously
voted to have the General
Welfare Committee meet with the
administration and discuss
retirement programs. Although professors must retire
at age 65, they can be reas-
pointed on an annual basis.
A unanimous vote by the
Assembly also passed the deci-
sion to sponsor an Alumni Reunion Reception during
Alumni Weekend. The faculty
will not be responsible for the
funding of the work, according
to Dr. Anthony Black, faculty
chairman.

The final issue discussed and
voted on concerned an aspect of
the rank and tenure process.
According to Black, a clause
has been introduced to disclose
to the rejected appointee which
committee had rejected his
recommendation. This clause
was defeated.

As it now stands, the appointee is informed only that
the recommendation has been
rejected. In the last five years,
only two out of 27 recommenda-
tions have been rejected.

Duggan appoints Durmance

For various corps

Jesuits priests seek volunteers

For those in Nome, Alaska,
the day may begin with weather
reports over radio station
KNOM. In many of the Eastern
cities, days often start with
walks through Skid Row or the
Inner City. Teaching classes to
Native American children on
reservations in Arizona or Mont-
ana might be the daily tasks of
those people whom the
Jesuits priests seek volunteers
in a community setting, whe-
re people are needed, as well as
people to organize communities, work
in schools, alcohol centers, food and job
cups, and radio stations.

The last five years, only two out of 27 recommenda-
tions have been rejected.

For the Jesuits priests seeking
volunteers, there are many
opportunities. By specialty and location, send a coupon
of your resume to Engineer Recruitment, Room 6A11.

United States of America
Office of Personnel Management
Washington, D.C. 20415
An Equal Opportunity Employer

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Student Union presents
In person
Gordon Inkeles
on the art of
Massage

A lecture-Film Demonstration
A Complete Body Massage

7:30 pm Walsh Hall
Thursday April 5
Free Admission

Notre Dame Concert Series
 sponsors Piano Trio recital

The Notre Dame Piano Trio will appear in recital at 8:15 p.m. tonight in the Library
Auditorium. An event from the Notre Dame Concert Series, the recital is open to the public
without charge.

The recital program features the premiere performance of new works for the Notre
Dame Piano Trio by Prof. Ethan Haimo of the Notre Dame music faculty.

The members of the Trio, Adrian Bryant, violin; Deborah Davis, cello; and William
Cryan, piano, are full-time faculty members in the Notre Dame Music Department.
Bryant and Davis are principals of their respective sections in the South Bend Symphony, and
Cryan is chairman of the Notre Dame Music Department.
Atonia Brico speaks at SMC concerning women conductors

by Margie Braszil
Assistant Saint Mary's Editor

In 1934 while conducting 9 women musicians Atonia Brico declared, "If 9 women can play together why not 90?" Her comment reached the front page of the New York Times and despite critics who said she would never find 100 women to play in a full orchestra Atonia Brico proved that women could play every instrument in the orchestra and opened a new field for all women.

Brico, the first woman conductor of the Berlin Philharmonic Orchestra spoke last night at Saint Mary's as the keynote speaker in the Women's Opportunity Week. She began her talk by taking questions from the audience, speaking a little about her life as a conductor and focusing mainly on the art of music.

"A girl must be five times better than a male. She must know it all, theory, orchestra, composition. It must all be in back of you. When you want something desperately it's not enough just to say it," said Brico.

"I had felt that once I started, if you knew your craft there'd be a place for you in the world. She said she had been shocked when she finished school to find that so many people, because of their prejudices were against a woman being a conductor.

"Conducting was the last stronghold before prejudices. I would want to do the same thing but under different circumstances."

Brico spoke of her years as a student by giving anecdotes about sneaking into rehearsals and concerts hiding under chairs and sheets. In one particular incident when she attended a concert given by the pianist Paderewski she knew beforehand that her seat was not in a good position to watch his hands as he played. She brought a camp stool with her and placed it in the front center aisle. A colleague of Paderewski's, noting her dedication, offered her a scholarship for a year to study in New York.

Speaking of her love for conducting, Brico described it in terms of, "a human palette with all the colors here and there and everywhere. And you create a living picture out of it. What makes music so utterly fascinating is that it can flow through your fingers like water. You can never hold on to a phrase in music, it can only be enjoyed in retrospect or in anticipation."

"A good orchestra depends on the quality of its players," she answered when asked if some orchestras are easier to conduct than others. She went on to list the various orchestras she has conducted all over the world.

"Music doesn't need a label."

[Continued on page 2]
Guess what? This sculpture is displayed outside O'Shaughnessy Hall. (Photo by Cate Magennis)

BE RECONCILED
WITH YOUR PARENTS

"Between experiencing and having experienced—the moment when the experience yields its last secrets. A moment we only uncover is already past when cracks and stains appear, the gilding flakes off, and we wonder what it was that once so attracted us."

"Your position never gives you the right to command. It only imposes on you the duty of so living your life that others can receive your orders without being humiliated."

SUGGESTIONS: This is letter-writing week. Even if you call home, surprise your parents and send a letter also. Compliment them, thank them. Attend an evening liturgy in your home. Offer your intentions for your parents. Buy your grandparents some Notre Dame gift/souvenir. Show an interest in one of your profs, as a parent, and ask about his/her family and home experiences. Listen to Cat Stevens: PATHER & SON. Listen to Crosby, Stills and Nash: TEACH YOUR CHILDREN. Listen to Jackson Browne: DADDY'S TUNE.

FIFTH WEEK IN LENT

The Observer
Box G Notre Dame, IN 46556
The Observer is an independent newspaper published by students of the University of Notre Dame and Saint Mary's College. It does not necessarily reflect the policies of the administration of either institution.

The news is reported as accurately and objectively as possible. Editorials represent the opinion of a majority of the Editorial Board. Commentators, opinions and letters are the views of their authors. Column space is available to all members of the community, and the free expression of varying opinions on campus, through letters, is encouraged.

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(Continued from page 4)

Guess what? This sculpture is displayed outside O'Shaughnessy Hall. (Photo by Cate Magennis)

...Lucey

...Gas bubble

(Continued from page 1)

While Lucey admitted he "wouldn't recommend pitching a tent on the edge of Three Mile Island," he did say he "wouldn't hesitate to move to Harrisburg if the pay was right."

Commenting on the evacuation of pregnant women and small children from the Harrisburg area following the crisis last week, Lucey said that this was the result of the possibility of a radiation leak from iodine, xenon and krypton contained within the malfunctioning reactor.

Lucey said this type of radiation is more susceptible to "radiological time" which is prominent in the fetus and in the young. Lucey noted that this did not occur, and the only people who have been exposed to radiation as a result of the mishap were four of the plant's technicians.

These technicians will return to a safe radiation level if they remain unexposed to any further radiation for the next year.

Alluding to possible consequences for the development of nuclear energy in this country, Lucey noted that several manufacturers of nuclear reactors have already seen their stock reach a 52-week low on the New York exchange. There have also been many demonstrations and anti-nuclear rallies not only in this country, but throughout the world.

Lucey mentioned that Babcock and Wilcox have several other similar nuclear reactors around the country and one immediate consequence of the Three Mile Island crisis "could be restrictions at these plants."

Babcock and Wilcox plants are located in Ely, N.H., Oconto, S.C., outside of Sacramento, Calif. and near Toledo, O.H.

Lucey emphasized that there has been no exposure of dangerous radiation levels to the public and agreed that it may have been a good thing that the crisis occurred before many more similar reactors were in operation.

...Gas bubble

(Continued from page 1)

...Gas bubble

...Gas bubble
In meeting with Roche

New HPC discusses issues

by Aileen Lavin
Staff Reporter

The HPC met last night in St. Edward's for the first time with all newly-elected presidents in attendance. It was announced that a facelift for the Council will be elected next week's Student Body Council meeting. "I've been learning about the HPC," for both the new and old presidents.

Student Body Vice President Bill Vita announced his and Student Body President Bill Roche's intention to go to each hall's council meeting at some point during the semester to facilitate better communication.

"We have heard complaints that all Student Body Presidents and Vice Presidents do sit up in an office and that they don't stay in touch with the halls," explained Vona.

Jim Jones, a representative for InPiRG appealed to the HPC to try and get an endorsement from the Council before it takes its proposal for a research group before the Board of Trustees in May. "InPiRG is a student-directed, non-fledged, non-profit corporation," the basis for bringing PiRPG to the HPC is to allow students to use the knowledge learned in the classroom and apply it to the real world.

The Health Promotion Council was also presented with the final proposal of the Board of Commissioners for amendment to the constitution of the student government which covers 24 different topics. The amendment needs approval by 2/3 of the hall councils before it can be adopted. The meeting ended after a discussion about hall Food Sales. Student Affairs Director John Reid contacted HPC Chairman Chuck Delgrande in response to a meeting held by Food Sales managers in which the possibility of overriding Student Affairs decision to ban all non-food products from food sales was discussed.

Reid asked Delgrande to inform him that if they are to go ahead and offer non-food items without going through official channels, they are risking losing the hall's concession stand for fall and even the closing of Food Sales in their hall.

SIP Roche will meet with Food Sales managers and hall presidents to draw up a formal proposal before meeting with Reid for further discussion.

Artist Fish to speak at ND

Janet Fish, the internationally prominent artist from New York City, will be visiting the University today and tomorrow as part of the visiting artist program. A slide-lecture, open to the public without charge, is scheduled for 8:30 p.m. tonight in the Art Gallery.

A specialist in photo-realism, Miss Fish is a visiting artist-in-residence during the 1978 Summer Session at Notre Dame. Her pastels, drawings and still-life arrangements on depressions glass have been featured in several exhibits across the nation, most recently at the Miller Gallery in New York.

Crowley to present lecture series for Alcohol Awareness Week

by Tim Joyce
Senior Staff Reporter

Jim Crowley, Educational Consultant at the Johnson Institute in Minneapolis, will present a series of lectures and presentations regarding chemical dependency this week as part of Alcohol Awareness Week. Crowley will speak to students, faculty and interested persons on alcohol usage and its effect on the university setting promotes these actions.

"Peggy Cronin, alcohol and drug counselor at Notre Dame, said that she wanted to do something different for Alcohol Awareness Week. "The idea came out of a series of discussions I have had with small groups of students," Cronin stated.

The students were concerned with helping their fellow students and faculty. They wanted to do this. "We can do this better!" After about three or four months of talking, the idea around, we decided to ask Jim Crowley to come and speak," Cronin related.

Cronin first came in contact with Crowley during a trip to the Johnson Institute. "He impressed me as someone who was really concerned with the issue," Cronin said. She then got in touch with Crowley and asked if he would come to Notre Dame to talk.

"Jim Crowley is interested in speaking to everybody about this issue of chemical dependency. He wants to start at the top (i.e. administrators) and then speak to the students," Cronin explained.

The theme of the seminar will be "the role of the college in contributing to chemical dependency-how it happens, how it can be responsibly faced, and the alternatives to it."

The first of the sessions will be the role of the college in contributing to chemical dependency-how it happens, how it can be responsibly faced, and the alternatives to it. The second session will be in the afternoon from 1:30-3:45 p.m., also in the Library Auditorium.

"We're trying to start with upper administration and the student leaders, and faculty and staff employees."

Applications now available for:

Mardi Gras Chairman
Pick up applications April 4 - 9
at S. U. office 9 - 5
Return applications by April 11
Interviews April 12 & 13

Any questions, call 7757

Applications available in S.J. Offices
2nd floor LaFortune or call 7757

Hey Lucky You!!!
The Student Union Social Commission is now taking applications for positions next year.

Applications available for:
Assistant Commissioners
Nazz Director
Special Events Coordinator
Publicity and others

Applications available in S.J. Offices
2nd floor LaFortune or call 7757

... Applications are due Tuesday, April 12, 1977

Any questions, call 7757

---Continued on page 2---
Saint Mary's will introduce new summer Rome program

by Mary Angela Shannon

This summer, Saint Mary's College will introduce a new summer program in Italian Studies. The program, based in Rome, Italy, will begin July 8, and end August 10.

The program offers fourteen courses in Italian civilization, language, and literature. The courses offered will benefit the beginning or advanced student. Students from any college or university, as well as any interested adults, may participate in this program.

The program will be a balance between lectures in the classroom as well as on-site lectures in Rome and other cities located in southern, central, and northern Italy.

All participants will depart from New York's Kennedy Airport on a regularly scheduled flight to Rome on July 8. Arrival in Rome will be the morning of July 9. One of the directors of the program will be at the airport to greet the newly arrived group.

Throughout July there will be daily tours to museums, churches, and historic sites in Rome and surrounding areas such as the Forum, catacombs, and St. Peter's Basilica. Two special trips are included in the cost of the program. A three-day southern trip will take the group to Naples, Caserta, Pompeii, Amalfi, Paestum, and Capri. A northern and central Italy trip lasting six days will take the participants to Florence, Bologna, Ravenna, Ferrara, Padova, Venice, Verona, Vicenza, and Modena.

The courses offered consist of Italian and conversation and reading for the beginning, intermediate, or advanced student. There will also be Italian literature courses taught in Italian and an Italian literature course taught in English. An art history course taught in English and optional lectures and tours will also be offered. The courses are taught by faculty members from the St. Mary's Rome Program and from the St. Mary's College home campus. The classroom building, located at Largo Argentina, is in the heart of historical Rome.

Credits earned during the St. Mary's Summer Program in Italian Studies may range from 0-6 semester hours of credit. The cost per credit hour is $60. It is payable to the St. Mary's Business Office and is due before July 7, 1979.

The total program cost is $1475. This cost includes air travel to and from New York (to and from Chicago is $1553), all program travel within Italy, centrally located accommodations, and all daily meals. Apart from personal expenses, an amount of less than $25 will be needed for city bus transportation, museum entrance fees, airport transfers, and departure tax.

A $100 deposit will secure a place for the Summer Program in Italian Studies. The deposit and the balance of the program fee must be paid in full between May 1 and May 15. The total program fee will have to be paid by June 1, 1979.

Coordinators for the program are Dr. Pietro Checca, a member of the St. Mary's Modern Language Department, Portia Spanu, Associate Director of the St. Mary's Rome Program, and Carmela Merola, a faculty member of the St. Mary's Rome Program.

According to Dr. Checca, although this is the first year for the St. Mary's Summer Program in Italian Studies, the program is headed by very experienced people. Both Merola and Spanu are currently involved in the St. Mary's Rome Program.

Those interested may contact Prof. Pietro Checca, Room 166 Regina, campus phone number 284-4900, for further information and an application.

C&CD/CDC to sponsor family workshop for student couples

By Mary Beth Connor

The Saint Mary's Counseling and Career Development Center will sponsor a workshop for couples entitled "Understanding the Family: His and Hers." Sunday from 2 to 4 pm in St. Pius lounge, Le Mans Hall. The workshop will be conducted by Pat McGinn, director of the C&CD/CDC, who is an experienced family and marriage counselor, wife and mother.

The workshop will consist of exercises that couples will do together in an effort to explore the rules, myths, values, and patterns of behavior that each one brings into the relationship from his or her own family, according to McGinn. "It is designed to help couples identify the influential, yet silent expectations that will be enormously powerful forces in their long-term relationship," she said.

The workshop is open to couples of both campuses. Those interested should call the C&CD/CDC to register.

Enrollment figures stand highest

Enrollment for the spring semester at Notre Dame stands at 8,612 the highest in the history of the 137-year old institution.

Enrolled in the four undergraduate colleges and the Freshman Year program are 5,188 men and 1,568 women. There are 1,235 men and 601 women in the Graduate School, the Law School, and the M.B.A. program, resulting in an overall total of 6,445 men and 2,169 women.

Awards and Lents led all colleges in enrollment with 1,690 followed by 1,632 in Freshman Year, 1,542 in Business Administration, 1,036 in Engineering and 856 in Science.

There are 196 undergraduates studying at overseas campuses, over 75 in two Rome programs; 44 in Innsbruck, Austria; 39 in France; 10 in Dublin, Ireland; 15 in Tokyo, and 8 in Mexico City. Nine of the members of the Law School's second-year class are enrolled in the London program.

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There were 18 false alarms pulled on campus in March, of which 10 were false alarms, In one of the fires, Dean of Students Kathy Byrne, who has been highly appreciative of the campus community who students are allowed to drink, is nonetheless worried about the situation.

Both Bland and Roemer emphasized the inconvenience to the student residents who must respond to each alarm, and to the other residents and neighbors of the hall. Most importantly, both Bland and Roemer fear that the future residents will not respond to a genuine alarm, believing it to just another prank.

Kathy Byrne did not receive any special introductions and was not introduced through the campus community where students are allowed to drink, is nonetheless worried about the situation.

Charles J. Hopkins, Jr., chairman of the National Railway Labor Conference, will present the third annual O'Hara Memorial Lecture in Memorial Library Auditorium at 3:30 p.m. today. The talk is sponsored by the College of Business Administration and is open to the public.

A nationally recognized authority on labor relations in the railroad and airline industries, Hopkins is former vice president of personnel and labor relations for Flying Tiger and American Airlines, and attorney for Illinois Central and New York Central railroads. The NRLC is the national bargaining agency for the railroad industry.

The lecture series honors Notre Dame's 12th president, 1934-1940, who founded the University's business administration program and presided over its growth in the early 1930's. Outstanding leaders in the fields of industry, education and politics preside at the lectures each year.
Molarity

The Daily Crossword

ACROSS
1 God of love
5 Massenet
10 Murray and
14 Musical
15 Artery
16 Missing
17 Police job
18 Quacker
19 Check
20 Resembling
22 Become
24 Ceramic
25 Whispers
26 Soft material
30 Like a bolt
31 Unemployed
32 French
33 West
34 Burn
35 Clinton
36 Add
37 curtains
38 Canon City
39 Balder
40 Congreve
41 Mushroom
42 Leo’s
43 Old
44 Sit for a
45 Color
47 Literature
50 Greek
51 Storage box

DOWN
1 Land
2 Noon
3 Potpourri
4 Characteristic
5 Exotic
6 Ladder’s
7 Comedian
8 Possessive
9 Mellie
10 Part.
11 Ripening
12 Great Lake
13 Transplant
14 Sidney
15 Compress
16 Water
17 Thoughts
18 Squaring
19 Middle East
20 University
21 Work
22 Ports
23 Gloss
24 Dictionaries
25 Friends:
26 British
27 Scream
28 Heart
29 Vase
30 Fist
31 Unusual
32 Carlet
33 Kauffman
34 Recipe
35 Search
36 She
37 Land
38 Beethoven
39 Land
40 Search
41 Puff
42 Dictionaries
43 Dirt
44 Stomach
45 Brackets
46 Calves
47 Literature
48 Humble
49 Twittering
50 Local
51 Addict
52 How
53 Praise
54 How
55 Actor
56 Kemény
57 Essential
58 First
59 Substance
60 Words of
61 Study
62 Travel
63 Squaring
64 Drop or
65 Chastity
66 Eastern
67 Going down
68 Loyal
69 Vis-a-vis
70 Middletown
71 Pound
72 Lively.
73 Abbr.
74 Edict
75 Toads
76 Put a
77 Limit
78 Seed
79 Meet
80 Half

Yesterday’s Puzzle Solved

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Sports Wrapup

Rugby team sweeps Ball State

Back from their recent tour of Ireland, the Notre Dame rugby team swept Ball State last Saturday, winning games on all three levels.

Displaying their new skills learned abroad, the team consistently outscored and outplayed their opponents.

Tom Basche led the "A" team to a 15-10 win, scoring seven points on a 40-meter penalty kick. J.J. Hanning and Kevin "Corky" Corcoran added four points each.

The "B" team had a 6-0 win on a Joe Gildo try and a two point conversion by Brad Newman. "Neume" completed the game despite taking a hit on the head early in the contest.

An 8-2 win by the "C" team completed the sweep, and Mark O’Brinn and Kevin Gibbons provided the four-pointers for the Irish.

Next on the schedule for the ruggers will be a contest with Terre Haute this Saturday at 1 p.m. at Stepan Fields.

Women runners gain places at Purdue

Notre Dame’s women’s track club, in its second year of existence, collected one fourth place and three fifth places at the Purdue Invitational, a non-scoring meet held last weekend.

The mile relay team of Bernie Bolli, Eunie Sullivan, Ann Torrie, and Jackie Bolli captured fourth place. The Irish women finished fifth in the two-mile relay with Kathy Guthrie, Adella Malvezzi, Lily Bar, and Helen Weber coming up in the races.

Two individuals also placed for the Irish in the invitational. Mary Rums took fifth in the javelin and Jackie Bolli leaped to fifth in the long jump.

New talk show debuts on WSND

Sportsline, WSND's newest sports show, will debut tonight at 11 p.m. Tune in to 640-AM, and join Frank LaGrotta, Brian Beglane and Paul Mullaney in their call-in discussion format. Irish fencing coach Mike DeCicco will be the featured guest tonight.

Tooley accepts challenges for Sowder Fund

Fr. Bill Tooley has challenged an undergraduate to a best-of-three-games in handball, the loser to donate $0.00 to the Andy Sowder Memorial Fund. Challengers come to Campus Ministry office, 103 Memorial Library.

... ND bosses

Owner's son to take over Rams

LOS ANGELES (AP) Despite the death of owner Carroll Rosenblum, the Los Angeles Rams’ expected to be no change in the operation of the Los Angeles Rams or the American Football League. Rosenblum’s son, from will run the team.

The elder Rosenblum, 72, drowned in Florida in 1974. In past years he had schooled his son, now 24, in the operation of the football team.

There has been no announce-ment and none is expected immediately on a replacement for Carroll Rosenblum, but Steve Hannigan, the assistant to the president, will be in the Rams’ director.

The wealthy Rams’ owners was controversial in the NFL last year.

"We had some differences over things in the league that he felt affected his team adversely," commented NFL commissioner Pete Rozelle.

"I was very pleased that in recent months he was considered dead and gone and we had a very close relationship."

Johnny Unitas, an NFL Hall of Fame quarterback who played for Rosenblum in Balti- more, said, "He gave a lot of guidance in the early part of the NFL’s growth. He was not only concerned with winning, he’s concerned with the players and their families."

Announcers said the NFL fran- chise probably will go to his widow, Georgia, in trust for his children. He was sole owner of the club.

Softball schedules now available

Infield softball team cap- tains, both undergraduate and graduate, who missed yesterday’s meeting are urged to pick up a schedule today in the Memorial Office. Games will be starting tonight.

Dr. Manlius, How do you respond to criticism that the president of an L.W.D. is not giving enough to the American youth?" asked a professor of political science.

"I don’t know if you have ever heard of a man named Charles C. "Jock" Colton, who was president of the university for 26 years."

"Yes, I know of him," the professor said.

"Well, I suppose you do."

"I suppose we do," the professor replied.

"And I suppose you have seen his portrait in the hallways for years."

"Yes, I have," the professor said.

"And I suppose you have been told the story of how he started the University in 1926."

"I have," the professor said.

"Well, I suppose you do."

"I suppose we do," the professor replied.

"And I suppose you have been told the story of how he worked hard to make the University a success."

"Yes, I have," the professor said.

"And I suppose you have been told the story of how he was a true American."

"Yes, I have," the professor said.

"And I suppose you have been told the story of how he was a great leader."

"Yes, I have," the professor said.

"And I suppose you have been told the story of how he was a true friend."

"Yes, I have," the professor said.

"And I suppose you have been told the story of how he was a true American."

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"Yes, I have," the professor said.
...Ruggers

Barrios and Company have marred the big
key for the Chiosi.

McCormick, Chicago fans have to wonder just
how long their White Sox can keep close to the
big ten after that goes out the door for the.

The Irish tied on the final
play of the game, as Mike
McGlynn blocked a kick and Mike
Allen recovered the ball and
scored the tying points.
Maynouth was the next stop,
and this Irish town serves as a
home base for Mike Maynouth of
Dame- St. Mary's Ireland program.

The Chicos were stopped by
the students, sleeping about
ten in each room. The extra
warm bodies were helpful, since
done of the rooms had heat,
which is expensive in Ireland.

The Chicos needed their first
win against Maynouth College
St. 4-4, as Kevin McGlynn
scored four points for Notre
Dame. Two of his shots were
placed in two inches of snow,"Bowers
said, and this was as much of an
equalizer, if not more, since
they were obviously the better team.

The team hoped to do some
shopping at their next stop in
Galway, but a strike and closed
shops in that city. Strikes
were coming, demanding the
cutting of the pay. Bowers
noted. "The postal system
was able, but it was an overall
thing to do the same for
together, but we couldn't send any letters
home.

Notre Dame had their first
event since with a city team in
Galway, and also experienced
their first loss of the trip, falling
to a veteran Greyhounds team,
52-15. Allare was high point
man for the Irish in the game,
scooping seven. The "B" team
did not make the first visit of
the trip, taking a 17-7 win after
losses in the first two games.

Brad Keating scored six points
and did the team up to aid the
cause.

Fitzgerald's Nellie's pub
highlighted the team's stop in
Limerick (but it would seem
that the band was a little
overplayed most of their travels). A 16-0
win over the National Institute
for Higher Education helped
make the journey a complete
success, as Allare, Tim Martin,
and Brian Keating accounted
for three of the four scorers
points to lead the way.

Notre Dame made a brief
stop in Killarney to kiss the
Rock of Cashel, and met with
all the team members the gift
of the trip.

Finally the visitors faced the
city team from Tullamore. The
Irish hosts had originally planned
to send their "B" team against Notre Dame,
but heard of the Domers success
this far and decided to go with their
top squad. That won, as one of their players
broke the school's all-time field goal. Bowers, Brian
McCormick, and James Keating all scored
four for Notre Dame in this game.

A weather pattern
characterized the trip, as
all the games were played on
dry fields, and the
visitors learned a little about
the rugby players of Ireland and
their style of play.

"We were a lot bigger," Bowers
noted. "but they were a lot more
collected. They had a really
more on a physical game, they
were very sure of themselves after
passing and execution."

This fact was exemplified in
the game that they played over the
trip. Notre Dame had one over the
five games, and the Aucklanders averaged 8 for
the game. "It would appear that
we might have taught them a
few moves," Bowers added.

Classifieds

NOTICES

ATTENTION MAY GRADS.

All May Grads must reply their Mars-
ian-eval card to my office, 111 E, or will be
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Peoty will be charged.

Typing/Trans.: Fast, accurate copy by
Phoebe 277-1780, New 272-4118, Call
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Typing IBM Selectric Picket and
delivery 277-0996.

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the letters for only 50¢. Filler
includes in every issue:
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Columbia offers four New York University
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sional at $10 per hour. Write for brief.
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162 L.L. Library.

NOTICIE NIGHTSTAND: WOOD 49.
REMINDER FEATURES THE MUSIC "CITY SING WANDY.
TODAY AT 12:15.

Lost & Found

Lost: Carbon Electrode's Electronic Flash.
At Norco before. Call: 897.

Whatever scupped dark craft with
Mario, who is a Senior bar
player call Pia at 41-4915.

Found: One calculator beyond Keenan.
Call 767-9767 to identify.

Lost: March 9 & 10: Bigl, 1536
registration. Reward offered. Call
Men 350-9850.

Lost: one pair of brown rimmed glasses
in a leather case, inside a brown bag
up four paper's on your Happy Hour
nights. Call the Airline info at Contact 1520.

Lost: Pair of gold earrings on my
ring. Near town square. Claim at
Observer Office.

...Three teams

Twins:

Jerry Koosman and Paul Hartrell are wel-
come to the Twins. Hartrell this year
had beasted Dave Goltz, Geoff Zahn and Mike
Marshall. But the loss last year had Mauch's squad
more than any acquisition will help.

Infielder Ron Jackson, a former California
Angel, could help keep the Twins out of the
cell in no way. With his graceful fielding, a fruit
for the loss of the league's best hitter.

Athletics:

Another Oakland man means another
manager. Former Cab pilot Jim Marshall gets
the nod to put up with owner-charlie
Charley when this year's a key. They can do
anything with the club he has been given.

Outfielder John Patino, a left-handed centerfielder
John Johnson were virtually the only bright
spots for last year's team. And even if others
provided some unexpected help, it will be tough
to keep the A's from沉睡ing in the American
League West cellar.

For Rent

Have large furnished home for rent.
Available for summer and fall semesters.
Suitable for two or more students.
South of the Village, East of
central hospital, if interested call
273-3401.

For rent: renovated furnished two
bedroom house for rent close to
Norco High. $340 per month. 24 hour

Rustic charm on the market.

Rustic retreat with
furnishings available for rent.
Full kitchen, living, bedrooms,
and bathrooms. Rent: $400.
Weekend, not otherwise.

Wanted

Ride needed to northern Jersey- NYC area.
Can pick up after Monday Lyceum 3155.

Ride to Philly or area for Easter Break.
Can pick up in the 1500's. Call
1-305-1700.

Riding home to Fla. For Easter needs ride.
call 1-632-2197.

Ride needed to Cleveland at
afternoon of April 12. Call
1535.

Ride needed anywhere in New

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For Sale

Bicycles: Octo.
Dancing lessons being given new.
Prefers young piano students.
Group rates available. Call
272-3413.

Tickets

SHERIFF'S OFFICE instruction available.
I'll give you all of the information and cover.
This will cost you $5. Call 788-1938.

For Sale

One 2 bedroom furnished apartment from
May to August. Call 419-4316 evenings.

Please Help: Need 30 dusty couple
baby toys. Call 273-2622.

For Sale

Ride to Rochester or Minneapolis for Easter.
Share driving expenses with me.

Ride to Long Island-NYC for Easter
or spring break. Call 788-1938 or
contact 1520.

Need a ride to Toronto any place. Will share
passenger. 7730.

Meet in Chicago. U of I 111. This
weekend Call Martin 412-4313.

All classified ads must be received by 5:00
p.m. two days prior to issue in which they are
to appear. Classifieds Monday Through Friday 10:00 a.m. to 5:00 p.m. All
classifieds must be pre-paid, either in person or through the mail.

Sexton Leonard and South: 821-9111, 830-4417.

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**Sports**

**Netters overwhelm Butler in first home outdoor meet**

by Michael Orman

The Notre Dame tennis team equaled its record at 6-6, yesterday, defeating a much outclassed Butler. The Irish coasted to victory, winning eight of the 12 matches played in just two sets, at the match played at Courtney Tennis Center behind the ACC.

Top-seeded Mark Hoyer was the only one to have any noticeable trouble in his singles win over Butler's third set, 4-6 to Butler's Mark Beary, Hoyer battled back to win the close second set by an identical score and then easily won the third, 6-1.

"I was rushing my shots a little," explained Notre Dame's number one player. "This was the first time we were outside for a while, and I think I was a little tentative with some of my shots." The Irish won the other singles matches convincingly.

Number two man Carlton Harris easily won his match with Dave Hoover, 6-2, 6-3, and Mark Venable, whose blood quickly disposed of Tony Corbett, 6-3. Playing in the number five and six positions, freshmen Tim Hartrell and Tom Montgomery, respectively, defeated ease, 6-1, 6-1, and 6-0, respectively.

The team's number three man, newly-herb Hitchwood, upset a Butler's 6-0, 6-3, decision over Bill Schumacher. The dual match had already been decided by the time the doubles matches got underway, but that didn't slow the Irish at all. Notre Dame finished off the Bulldogs in a hurry, winning all three in two sets. Only one of the doubles competitions was close at all. The number two team of Bob Koval and True-blood got by Schumacher and Cooke, 6-4, 6-4. Hoyer and Harris evened their record at 3-5 with their 6-3, 6-2 victory over Beary and Hoover.

"Butler's not that strong," said Irish coach Tom Fallon, "but we have to play Northwestern here on Thursday, and they are going to be really tough. I was very glad that we could get outside today and get used to this weather. It's a lot different than playing in the ACC.

Thursdays Northwestern match will be the final home dual for quality competition for the Irish. They will not compete here again until April 17th when they host Michigan State. Northwestern is 6-5 overall but 2-0 in conference. Notre Dame is 1-2 against Big Ten competition, seven behind atop the Wisconsin Badgers.

The match with the Wildcats is scheduled for 3:00 p.m., and, providing, will be played at the Courtney Tennis Center behind the ACC.

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**Ruggers gain experience in Ireland**

by Mark Perry

Sports Editor

In an attempt to face some tougher competition in hopes of improving their play, the Notre Dame rugby team traveled to Ireland to face some local college and city teams over spring break. And, as always, the team managed to have a great time while gaining valuable competition.

It was the Fighting Irish meeting the real Irish in five games, and the visitors from the U.S. had a good showing, with a 2-2-1 record for the trip.

Fifty team members went on the journey overseas, paying for the trip themselves, and according to team secretary Jim Bowens, "the money was worth it. We had a good time, some good drinking, and a lot of good, old Irish atmosphere."

"We learned a lot from these boys," Bowens continued.

"We are hoping that we o..." use our newfound knowledge to help us against teams in the States. The teams and coaches in Ireland taught us a lot of things that we have never seen used here."

The trip began with five days in Dublin, where team members spent much of their time touring the city. Some went to the Abbey Theatre, others visited the Guinness Brewery.

---

**ND hosts Junior Fencers**

by Paul Mullaney

Assistant Sports Editor

Notre Dame and the South Bend community will have a once-in-a-lifetime opportunity next week, as three leading U.S. fencers can be ambassadors of good will to citizens of 34 different countries.

The University of Notre Dame is hosting the 1979 Junior World Fencing Championships at the Athletic and Convocation Center beginning Thursday, April 12, with the opening ceremonies. The 12-day tournament will run throughout Easter weekend, and will conclude on Monday evening April 16.

The Junior World Championships allow the top amateur fencers around the world, under 20 years of age, to emerge from their peers. It also serves as a testing ground for fencers hoping to participate in Olympic competition.

It is a great honor for the University and the people of the South Bend community to be selected to run the competition." notes Tournament Director Mike DeCiccio, the fencing coach at Notre Dame.

"That shows that the international federation was pleased with our operation and facilities eight years ago, and we are more than honored to host this great tournament once more."

When DeCiccio ran the tournament at the ACC in 1971, it marked the first time since the competition began in 1950 that the championships were held in the Western Hemisphere.

The tournament has grown rapidly since its begun. Twenty-two countries visited Notre Dame to compete in 1971, while approximately 400 athletes and officials will represent the 34 different countries that will visit the Midwest this time around.

All of which gives the local people an opportunity to make the trip and see the fencing on page 11.

---

**In AL West Three teams fight for top spot**

by Paul Mullaney

Assistant Sports Editor

Paul Mullaney

However, if the Angels want to take part in post-season action, they'll have to give Carew a good deal of support. Manager Jim Fregosi, 37 years young today, will be keeping his fingers crossed that the bats of Dave Chalk, Bobby Grich, Don Baylor, Dan Ford and Joe Rudi are alive and potent. And more importantly, pitching ace Frank Tanana must get good support from last year's. Nolan Ryan is looking for a turnaround, while Jim Barr, Chris Knapp, and reliever Dave LaRoche all must contribute.

**Rangers**

Texas could be the class of the division if Texas can be the class of the division if owner Brad Cobert takes a back seat and lets Pat Corrales run the show. This season, as usual, it will take Ranger fans half of the season to figure out their team's roster.

The bullpen tandem of Sparky Lyle and Jim Kern (both off-season acquisitions) could be the best in the league. And if starters like Fergie Jenkins, Doyle Alexander and Jon Matlack can stay healthy and keep games close in the late innings, Corbett's shuttle service may have finally paid off.

Although having a questionable infield, Oscar Gamble and Richie Zisk are back together (not in a good way), and the upper brass must be satisfied with its current hurling staff, however, since closer reliever Doug Bird to Philadelphia yesterday.

**Angels**

Rod Carew has won six of the last seven American League batting titles. And if he doesn't make it seven out of eight this year, George Kell would have one less wanted owner. The Angels have put a lot of weight on top of Carew's shoulders, hoping his .334 lifetime average won't slack off, and thus carry them to the division's top.

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**irish fencing coach Mike DeCiccio is looking for people to visit fencers from around the world. (Photo by Luke Maymone)