Hi-Jackers scale down demands

100 Hostages

DAMASCUS, Syria (AP) — Hijack­
eres holding more than 100 hostages on a Pakistan airliner scaled down their demands yesterday but threatened to blow up the plane and all aboard unless Pakistan met a Wednesday deadline for freeing political prisoners, Syrian and Paki­
tani officials said.

Negotiators sought a compromise settlement that would free hostages and political prisoners simul­
taneously. The Boeing 720, seized nine days ago over Pakistan and taken first to Kabul, Afghanistan, and then Damascus, rested on an auxiliary runway surrounded by Syrian police cars.

Three Americans and two alien U.S. residents were among the hostages, described as increasingly nervous as the ordeal continued.

The three heavily armed skyjack­
eres set 2 p.m. Syrian time Wednes­
day (7 a.m. EST) for Pakistan's military government to release the prisoners, officials said.

But Syria's chief negotiator, Brig. Gen. Mohammed Kholi, said the young hijackers scaled down their demands, reducing the number of opposition activists they want freed in Pakistan from 92 to 45.

The general told reporters at Damascus airport he was hopeful a compromise would be reached and "the mood of the captives would "soon be over." Kholi said the Pakistan govern­
ment also made "new proposals" to keep the negotiations with the hijackers alive. He would not dis­
close these proposals but said they might involve the exchange of prisoners.

"Chautauqua," the newly transformed LaFortune Ballroom, provides relaxing atmosphere for the student. (Photo by Helen Odar)

History of Comparative Physiology, help tell man how the nervous sys­
tem controls an organism's be­
havior.

As crickets have incredibly poor sight, the male and female must depend upon the love song to find each other in order to do their part in propagating the species. The male initiates the romance by rubbing one wing upon the other. Some are left-handed, others right-hand­ed, and, as in the human population, righties predominate. If a solo becomes a duet, the two males will change their tune, strumming passionately for the maiden's hand.

If the two males come together, they will fly away, rippling off antennae and legs.

While hundreds of cricket species abound, the female will react only when she hears the song unique to her species. Then she drops every­
thing and moves by jump and crawl toward the sexual tunes. In Notre Dame's biology facility, where a computer replicates the cricket's song, (Jon the house female can be seen flipping down the corridor toward Eich's lab when his com­
puter plays the right tune.)

To find out what takes place be­
tween the transmission and this single tuned response, Eich took a look at the cricket's ear and the nerves which carry the auditory

messages to the brain. Doing that, however, required exploring a high­
sophisticated system this as a single hair.

The cricket's two ears are located

in each of the bog's front legs. In each ear are 60 to 700 neurons, or nerve cells, which record the sounds, translate them into coded

See CRICKETS, page 3

By KERRY TEMPLER

Fisch, a biologist professor at the University of Notre Dame, can tell what species he hears by the song being strummed on the cricket's wings. He can tell you if it is the male's melodic mating song or the hissing fight song, an unprompted num­
ber played when rivals court the same female.

As a result of a new technique which took Eric two years to develop, the biologist may know as much as any scientist in the world about a cricket's auditory processes.

Working at Notre Dame and the Max Planck Institute for Behavioral Physiology in Seewiesen, Germany, Fisch is the first to insert an electrode into a cricket's audial nerve to study what happens when a male hears a

male's serenade.

His findings, reported in the jour­
nal of Comparative Physiology, help tell man how the nervous sys­
tem controls an organism's be­
havior.

The study of the cricket allocated 30 percent of the time of the entire experiment.

In the past the first c h o ice  for

Senior Fellow has invariably

declined the invitation because no funds are allocated for transporta­
tion and accommodations. In effect, the Senior Fellow usually turns out

WSND selects new staff

The WSND AM/FM Broadcasting Station has elected department heads for the 1980-1982 academic year.

Coordinating the new executive staff will be station manager Thomas Nessinger. Nessinger, a junior in the Center for Health Studies Program, brings to the position two years of experience on the executive board as the direc­
tor of production engineering.

Filling other positions on the executive staff are Kevin Leitten, Dan LeDuc, and Mark Rowland. Leitten, WSND AM's Chief Announcer, will take the AM pro­
gram director's job. LeDuc will move into the news director's position, and Rowland will take over as the production director.

Returning to the board are chief engineer John Gatto, FM program director Kris Allen, and Sports Director Bill Dempsey. The new executive board will formally inaugurate its administration April 1, 1981.

Commenting on the election, current station manager Kevin Gessler emphasized the value of experienced department heads, but noted that the "fresh perspective and innovative ideas" that come with fresh faces provide the "power needed to drive such a large and creative organization."
Six members of the Academic Council have been elected to constitute the Committee for the Review of the University’s Academic Manual. The committee will include one from each of the nine schools of the university. The Academic Council mandates a five-year review of the dean's report and the potential impact of Reagan’s economic program on the United States. Presidentlndependent, honored by the students of Notre Dame and the populace. Shakespeare not only kept a keen handle on human nature and gave people what they liked; he willed, for he had theaters to fill and needed to appeal to the people of his time. Perhaps writers just need license.

Finally, I think I finally understand why journalism can be likened to literature speeded up.
SUMMER JOBS

PLACEMENT BUREAU

Main Building

Attention:

All Interested Students

APPLICATIONS

- name and phone
- work and photo experience
- some example of previous work
- drop off at 3rd floor LaFortune by 3/30

All Present Photographers Must Reapply

Any questions call John at 1715 or 3106

ND Student Union presents:

PHOTOGRAPHERS

The Observer is organizing next year's photo staff

Applications

- name and phone
- work and photo experience
- some example of previous work
- drop off at 3rd floor LaFortune by 3/30

All present photographers must reapply

Any questions call John at 1715 or 3106

Senior Bar

St. Patties Night

Thurs. March 12

Green Beer

Jameson Specials

Live Music

Jim Daly and Friends in the Pub.

So You're Finally Going To Be Mike Muellerlele!! Finally we can go have some fun -- HURRY UP! -- The Penguin Woman

Beep Beep Beep Beep Beep Beep

ND Student Union presents:

Audio-Vision Tour '81

and special guest

 Loverboy

FRIDAY MARCH 27 8:00pm

Notre Dame A.G.C.

All seats reserved $9.00 & $8.00

On sale now at:

M.C.C. Recordland Michigan City

M.C.C. Recordland Benton Harbor

J.R.'s Michigan City

On sale now at:

PRODUCED BY SUNSHINE and CELEBRATION

...Cricket... continued from page 1

electrical impulses, and relay them on to the brain.

All neurons are not alike. Each sound four types, each listening for something different. One group lis­
tens for the mating song, a second for the fight song. A third group lis­
tens for both, and the fourth picks up vibrations much in fact trampling or a car rumbling.

Each type of neuron, resembling vast rivers with dozens of tributaries branching off into all directions, is shaped differently. And despite appearing like a maze of meandering lines, they are not designed at ran­

When cut at the base, each will regenerate to the original specific pattern.

Scientists do not know how neurons change vibrating sound in to electrical signals, which travel along the nerve to the brain, but Each has been able to match specific electrical code words to the specific tones from the male's song. It is akin to, but more complex than Morse code.

This code breaking was done by inserting an electrode into the nerve itself, less than a micron in width. The electrode records the electrical signal and infuses the nerve with a dye which enables each to actually see the nerve micro­scopically — like a river system on a map.

Scientists can chart the nerve system while analyzing its function. They must work quickly, however, as in each cricket the nerve dies within five minutes of the electrode's im­
plantation. Each found that the cricket's ear can only register other cricket sounds and then only for mating purposes. One measure of sound is in oscillations per second — fre­
quency or pitch, recorded as kilohertz. A cricket's ear, each discovered, is extremely sensitive to certain pitches. They may hear very soft sounds at a certain pitch and miss louder sounds at other pitches.

In other words, a cricket may hear a love song almost imperceptible to humans and not hear a car horn or telephone ring.

Fortunately, the pitch to which the female's ear is most sensitive and the pitch of the male's song coincide. The mating song, depending upon the species, is about 4 kilohertz while the fighting song is about 16 kilohertz.

While this is obviously more complex in humans, each's work and new technique represent a big step in understanding the ear, nerve processes, and how sound directly affects behavior. Even the human's "speech" is affected biologically by certain sounds. For example, a female scream at a certain pitch in­
variably raises goose bumps on those who hear it.
Reagan at commencement? Oh boy, oh boy, they've done it this time. I'm really mad now. Really mad. So mad that I was glad to see him graduating. I mean I'm glad that this isn't to be his last Notre Dame ceremony. I'm disgusted. I mean the Notre Dame administration can't have Poland's Soliders and Reagan coming. We'll be on our own. Those hypocrites. I'll admit it, that's what I thought when I first heard that Ronald Reagan, the President of the United States, was coming to Notre Dame as the commencement speaker. I don't think it is an accident that this year was Reagan's Farewell, and for awhile I was so mad I couldn't see straight. Then I went to bed to "sleep on it" and when I woke up, I wasn't mad anymore. I thought about it some more and I still didn't get mad. I had too much different feeling. I was disappointed.

Yes I'm disappointed. Even though I understand that it's the president we're talking about here, and even though it's a tremendous coup for Notre Dame and its famous president, and even though 65 percent of the students and 90 percent of the parents think this event ranks right up there with USC games, Knute Rockne: All-American, even though it will make Notre Dame that much more precious in the eyes of the world, and even though our very own Father Hesburgh will explain it all away with some statement like "Notre Dame is a forum for exchange in the world's majority of the Editorial Board. Comments, 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.
ISO holds One Earth pre-sale

The International Student Office is having a pre-sale of items which will be sold in the One Earth Marketplace in April. Come to the Office of International Student Affairs in the basement of LaFortune Student Center if you would like to purchase a shamrock bracelet or a Connemara marble pen and rosary. Purchase a shamrock bracelet or a Connemara marble pen and rosary.

Today's Quote

Today is not too late to start being what you had always wanted to be.

F. Scott Fitzgerald

Molarity

LOOK This is Martin Ross. He is a freshman and he is glad that he has... WHAT'S THE PROBLEM?

The Daily Crossword

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

SPECIAL FAKE SPECIAL TO O'Hare

To O'Hare March 12, 1981
6:00 p.m. Loads at Circle 6:15 p.m. Loads SMC LeMans Bus Stop

To O'Hare March 13, 1981
12:30 p.m. & 4:00 p.m. Loads at Circle 12:45 p.m. & 4:15 p.m. Loads SMC LeMans Bus Stop

SPECIAL FARE 25 Percent Discount $15 One Way

SPECIAL TIME Hourly Service from O'Hare March 22, 1981 Every Hour

LOADS TO O'HARE Lower level Carson Circle Restaurant
Tickets on sale March 8 & 10 in LaFortune Activities Center. Between noon and 5 p.m.

Call 283-3031, 9 a.m. to 5 p.m.; 283-6283 after 5 p.m.
**TUBS. THRU THURS.**

St. Patrick's Day Special Green Beer - 25¢ cup Tues. thru Thurs.

**CHICKEN DINNER SPECIAL $2.69**

Ham 9PM

welcomes all ND - SMC students

Hours less than 10 min. from campus

Breasted Chicken, Breasted Potatoes, Sandwiches, and now Pizza.

TUES. THRU THURS.

**CHICKEN DINNER SPECIAL $2.69**

Ham 9PM

welcomes all ND - SMC students

Hours less than 10 min. from campus

Breasted Chicken, Breasted Potatoes, Sandwiches, and now Pizza.

**UTE BEE FROM MILLER.**

IN FOOTBALL, WE WENT HEAD TO HEAD.

BUT WHEN IT COMES TO LITE BEER, WE SEE EYE TO EYE.

Fred "The Hammer" Williamson and Billy Klimer

**LITE BEER FROM MILLER.**

EVERYTHING YOU ALWAYS WANTED IN A BEER. AND LESS.
of the University and the Associated Press

Notre Dame's Water Polo Club will begin practice Monday. Practice will be from 4:00-6:00 at the Aquatic & Recreation Center. For more information contact Pat McDevin at 8640.

Tickets for Notre Dame's Saturday debut in Providence sold out yesterday at 12:30 p.m. Ticket applications for next weekend's game at East Regionals will be taken by phone only. Applications will be available throughout this week until the sale is exhausted. Students must pay $28 for the regional ticket, which covers both Thursday and Saturday games next week. If the Irish advance to Atlanta, students will be able to pick up their tickets at the Omni will call windows. If the Irish fail to advance, students will be reimbursed on return of spring break. There is a one-ticket limit per student. ID's must be present both at the time of application and at the game site in Atlanta.

The deadline for sign-ups for interhall men's and women's basketball and as well as baseball and graduate softball is March 15. Rosters must be turned in to the non-varsity office at the ACC.

continued from page 8

campus Off-Campus, Big Red was able to take control of the game early, and although they fell into a defensive shell in the second half, there was little doubt that they deserved the victory.

And when the final buzzer sounded, jubilant Dillion players poured onto the ice and piled on top of each other, who was smiling as he reached for the puck. He was smiling because he had been the season. Seasoned from the start, the Dogs dominated the game, force Farley into their respective teams this year. Alumni, whose only previous season this past season was to third-place Holy Cross (5-2), advanced to the finals by defeating North Quad Runner-up University, 3-1, on Monday night.

It was a lull in the effort on the part of the Dogs, though, and only the brilliant play of Fowler, who stopped two breakaways late in the game, could prevent a championship game berth. Dillion, on the other hand, totally dominated Off-Campus despite winning without two of their best players, who were injured in a collision in a Sunday practice session.

The game was a classic battle in the continuation of the classic Alumni-Dillion athletic rivalry, which is now in its 50th year of bitterness and hatred.

Women's basketball

by MIKE MONK

Breen-Phillips Hall captured the interhall basketball championship in the finals, 22-29, with guard John Schlaff of the Financials. 15-all score, with two points for each. "We weren't prepared for that 1-3 defense," a frustrated Missy Saporito said after the game. "And they were too quick on the full-court press."

With B-P leading at half-time 12-6, Farley switched from man-to-man coverage to a 2-1-2 zone. But it didn't fool B-P, and by the end of the third period they pulled out a commanding 22-10 lead on shooting by Schlaff and guard Kathy McMahon, tallied six points.

"The zone defense wasn't a problem for us. We were just not practicing against it all week. We just pushed the ball out of bounds a lot and fell in the perimeter until we saw the opening for the good shot," Schlaff explained after the game.

Schlaff proved to be the most valuable player for the winning team. In addition to scoring from all over the court, she also dished out the ball-handling, played a strong defensive game and was involved in a number of scrap beneath the boards. Her bustling style of play epitomized the defensive desire evident in the entire B-P team.

"We all worked really hard for this one," Schlaff said. "I know we had a job to do and we did it."

And they did it well. The victors consistently forced Farley into taking the outside shot as the taller B-Pers out-rebounded the runner-up team by a considerable margin. Farley I attempted a comeback of sorts in the fourth quarter. Taking a page from the B-P playbook, they executed an effective full-court press and outscored the winners 12-7. But it proved too little, too late.

Farley I, which defeated Farley II in the semi-finals, finished the season with a 7-4 record. Breen-Phillips, after their loss to Lewis Hall in the semi-finals and last night's championship win, end the season at 9-3.
Dillon captures title

By Chris Needles

Averaging consecutive shutout losses defending national champion Alumni, Dillon scored two goals easily in the first half and then hung on to win their arch-rivals, 2-0, to capture the interhall hockey championship last night before a vocal throng at the ACC.

Big Red got on the board first almost four minutes in the game on a 15-foot slapper by right wing Garrin Green after a giveaway in the Alumni zone. It was the first goal Dillon had scored against Alumni in three tries.

Having won over Dillon, 5-0, and just last week, the Dogs and Poledi won the South Title with an emotional 2-0 shutout against Big Red.

But last night, it was Dillon’s turn to celebrate. Riding the crest of an uplifting 5-3 semi-final victory Monday night over powerful North Quad see DILLON, page 7

Tourney Talk

Digger Phelps (who probably aspires to being Joey Meyer) has guided the Irish to nine straight post-season tournaments. Phelps sports a .950 record in six NCAA tournament appearances, and a 13-10 edge in the NCAA and NIT with the Irish. Including the East Regional bid his Fighting Irish earned in 1971, Phelps owns a 12-10 mark in the NCAA classic and a 15-11 slate in post-season events.

THREE'S THE CHARM — Such is Saint Mary's, the Irish's 1-1 tie during the regular season, that co-teams with DePaul and LSU in the seventh of eight of their affections and 20th in their history. Only

Irish Items

Sports Writer

THIS IS IT! (or WHAT IS THIS WEEK’S MOST OVERWORKED PHRASE?) — The Irish will embark on the NCAA tournament trail for the eighth consecutive year on Saturday, the most continuous appearances by any team other than UCLA, which began a straight trip.

Including their NIT bids in 1968 and 1974, the Irish are going to their ninth straight post-season affair and 20th in their history. Only UCLA (making their 27th NCAA trip) and Kentucky (26th appearance) have competed more than the Irish, who saw their first post-season action in 1953. Notre Dame has also made 13 tournament trips in the last 14 seasons, missing only in Digger Phelps first season, 1971-72, when the team posted a 6-20 record.

BIG RED GALLERIES — The Irish roundballers boast an overall 20-21 record in NCAA play, including a 13-4 mark in first games. Last year's overtime setback to Missouri in the first round of the NCAA tournament marked the only first-game loss on Phelps' slate.

GO EAST, YOUNG MEN (corn, but ...) — Notre Dame has appeared in the East Regional three of the last four tournaments, most recently in 1972 when the Irish sport a .53 record in that bracket. They beat Hofstra in Philadelphia and Pitt to North Carolina in the regional semifinals of the 1972 classic in College Park, Md. The Irish went 2-1 during the 1953 East Regional, thumping Eastern Kentucky and Pennsylvania before falling to Indiana. The following campaign, Notre Dame whipped Indiana before succumbing to Penn State in the same regional.

DIGGER IN THE SPOTLIGHT — Brand new Observer columnist Digger Phelps (who probably aspires to being Joey Meyer) has guided the Irish to nine straight post-season tournaments. Phelps sports a .950 record in six NCAA tournament appearances, and a 13-10 edge in the NCAA and NIT with the Irish. Including the East Regional bid his Fighting Irish earned in 1971, Phelps owns a 12-10 mark in the NCAA classic and a 15-11 slate in post-season events.

BREAK IN THE SPOTLIGHT — Brand new Observer columnist Digger Phelps (who probably aspires to being Joey Meyer) has guided the Irish to nine straight post-season tournaments. Phelps sports a .950 record in six NCAA tournament appearances, and a 13-10 edge in the NCAA and NIT with the Irish. Including the East Regional bid his Fighting Irish earned in 1971, Phelps owns a 12-10 mark in the NCAA classic and a 15-11 slate in post-season events.

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