2/The Daily Tar Heel/Tuesday, September 21, 1982

# WORLD NEWS

### Official encourages acid rain awareness; problem has worsened in U.S., Canada

#### By JOSEPH OLINICK Staff Writer

North American countries should begin debating the issue of acid rain now, Dr. Ellis Cowling, director of the National Atmospheric Deposition Program, said Monday at UNC.

The countries should deal with many questions involving the sources of the pollution causing the acid rain, he said. The issues are where acid rain sources should be reduced and cut, what sources of pollution will be targeted, how much it will cost and what strategy should be taken.

"Two-thirds of North America receives precipitation that is a little bit - and in many cases substantially more - acidy than we believe it was before industrial man started influencing the atmosphere," Cowling said.

Cowling went on to say that the United States needed to prosper, but prosperity produces certain environmental consequences. Acid rain is one of them.

Acid rain is caused by the emission of sulphur oxide and nitrogen oxide into the atmosphere. Utilities emit 80 percent of the sulphur oxide, industry, 15 percent' and transportation, 3 percent. Transportation produces 56 percent of nitrogen oxide, transportation, 40 percent, and industry, 4 percent.

Cowling described the acid rain problem as "the connection between our desires as human beings and our massive need to process material in a huge scale."

The Canadians are very upset about the acid rain problem, Cowling said. The atmosphere is depositing much of America's pollutants on Canada in the form of acid rain.

He said the United States needed to understand the processes of the ecological system and deposition (acid rain) and then join Canada in a mutual agreement. "Even if we shut it (acid rain) off, it

might take 30 years for it to wash out (of the ecological system)," Cowling said.

"We have thousands of lakes that cannot sustain the fish that man enjoys," he said.

Cowling said that to reduce the impact of acid rain on freshwater lakes and streams, acid-tolerant life forms could be developed, lakes could be treated with chemical lime or emissions that cause the rain could be reduced. He preferred the Acid rain has not conclusively been proven to affect agriculture or forests.

"We have good reason to be suspicious, but no compelling evidence with which to conclude that ambient acid rain is affecting any agriculture, forests or trees."

One of the areas in the United States that has a low acid-neutralizing capability is western North Carolina, according to one of Cowling's maps.

'Even if we shut it (acid rain) off, it might take 30 years for it to wash out of the ecological system.'

- Dr. Ellis Cowling

The most pronounced effects of acid rain can be seen in the ecosystems of lakes. High acid levels can affect the eggs of fish, making it difficult and sometimes impossible for the young fish to hatch. Consequently, fish populations in lakes are reduced.

Sometimes fish are killed by acid rain, Cowling said, citing an incident at Cherokee, N.C., in which acid deposits killed fish.

The National Atmospheric Deposition Program has 4,000 measuring stations in North America. They measure atmospheric depositions and their effects.

The program's testing methods have been criticized by some, Cowling said. It involves gathering precipitation in a bucket and analyzing it. Critics say foreign substances could be blown into the bucket by the wind.

The program's analysis of the precipitation is also under scrutiny, he said.



#### The Associated Press

NEW YORK - The National Football League Players Association called a strike against the league Monday and said it would shut down the regular season beginning Tuesday.

Gene Upshaw of the Los Angeles Raiders, president of the union, announced the action following a two-hour meeting of the union's executive board.

The first game to be affected will be Thursday night's contest between the Atlanta Falcons and Kansas City Chiefs. Upshaw said the strike would begin following Monday night's game between the Green Bay Packers and New York Giants.

"No practice, no work-outs, no games will be played until management engages in good-faith bargaining," Upshaw said. "We are united. We are prepared to withhold our services for as long as it takes."

The strike announcement followed a breakdown in negotiations for a new collective bargaining agreement between players and owners. The two sides have been negotiating sporadically for more than eight months and the union's contract with the league expired July 15.

TEL AVIV, Israel - Prime Minister Menachem Begin, pressed for a full account of Israel's role in the Beirut massacre, will consider establishing an independent inquiry commission, Israel television reported Monday.

President Yitzhak Navon, in a rare intrusion into government affairs by a ceremonial head of state, said Israel owed it to itself and "the civilized world" to make an impartial inquiry into the massacre.

Military officials and Begin's Cabinet issued detailed statements disputing Israeli press claims that the government knew for 36 hours that civilians were being killed in the Sabra and Chatila Palestinian camps of west Beirut before they intervened.

BONN, West Germany - Opposition politicians reached agreement Monday to try to vote Chancellor Heimut Schmidt out of office Oct. 1 and call new national elections next March, an opposition spokesman said.

Christian Democrat leader Helmut Kohl would become chancellor if next week's no-confidence vote is successful. A 13-year coalition between Schmidt's left-of-center Social Democrats and the centrist Free Democrats collapsed last Friday, when four Free Democrat ministers resigned from the Schmidt government after months of bickering between the two parties over a variety of issues.

The final split came over efforts by the Free Democrat economics minister, Otto Lambsdorff, to make deep cuts in social welfare spending.

The Free Democrat withdrawal from the coalition left the 63-year-old Schmidt, chancellor since 1974, as head of a government holding only a minority of seats in the Bundestag, the lower house of the West German parliament.

WASHINGTON - Senate conservatives, still seeking their first victory in a month-long debate over social issues, failed by 10 votes Monday to curtail a filibuster against legislation designed to restore organized prayer to public schools.

The Senate voted 50 to 39 to limit the prayer debate to 100 hours, but 60 votes are required to invoke the procedural move, known as cloture.

But Sen. Jesse Helms, R-N.C., and his conservative allies planned to try again on Tuesday, and both sides conceded privately they would eventually win cloture. Twenty-one senators were absent for the vote Monday.

The legislation urged by Helms would eliminate Supreme Court jurisdiction over the prayer issue, including any law approved by a state legislature or a ruling by lower court.

SAN PEDRO SULA, Honduras - The anti-terrorist Cobra Battalion on Monday ringed the building where guerrillas held an estimated 80 hostages, including two Cabinet ministers, and negotiators tried to end the fourday seige.

About 10 guerrillas, who shot their way into the Chamber of Commerce building Friday, have made repeated threats to kill the hostages unless the Honduran government frees 80 people the guerrillas say are being held as political prisoners.

A top Honduran official, who requested anonymity, said it was hoped that the arrival Sunday of Andrea Cordero de Montezemolo, the papal nuncio for Honduras and Nicaragua, would help speed the negotiations between the government and the guerrillas.

## Soviet actions result in sanctions on technology

#### By SUSAN SNIPES Staff Writer

President Ronald Reagan's recent sanctions on companies supplying the Soviets with U.S.-designed pipeline technology have aroused the anger of many of our allies.

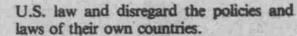
The sanctions were enacted to protest the Soviet crackdown in Poland. But the allies believe the United States has stepped out of line by expecting companies to obey

### **Ever think of** becoming Catholic?

Person's interested in learning more about the Catholic faith are invited to a meeting to learn how.

Wednesday, Sept. 22, 7:30 p.m. Newman—The Catholic Student Center across from the Carolina Inn

218 Pittsboro St.



"Ultimately, it is a question of sovereignty," said Jurg Steiner, professor of European politics at UNC. "They don't like the U.S. dictating who they can trade with."

"They (Europeans) resent that the U.S. thinks they are the only ones who can handle the Soviets. The Europeans want their own policy," Steiner said.

Steiner said European nations believe the only way to protect themselves from what Reagan termed a "limited nuclear war" is to keep the lines of communication open between the Soviets and the West.

To Europe, the pipeline is a perfect opportunity to tie the Soviets to the Western market. "If you have economic ties, then you are closer," Steiner said. "We depend on them, but they depend on us too."

There has been concern in the Reagan administration about the dependence of Europe on the pipeline for its energy supply. This also has been cited as a reason for the sanctions.

Robert Rupen, professor of Soviet politics at UNC, said the notion of dependence is a myth. He said the Soviets would not be the sole European supplier. Steiner also said dependency was not a threat. "They (Europeans) are even more worried about the Middle East. There has already been an embargo there. The Soviets usually deliver what they promise."

The allies believe they should deliver equipment ordered by the Soviets. So far, six British companies have been ordered to deliver products and to disobey the U.S. embargo. Not only is their word at stake, but also their country's prestige, he said. Steiner said the European countries

stand to lose money and jobs because of the embargo. In Britain, France, West Germany and

Italy almost \$3.5 billion and thousands of jobs are at stake. With terrible recessions in each of these countries, the loss would be disastrous.

The Reagan administration has expressed concern over the estimated \$8 billion the Soviets would receive in return for the gas sold from the 3,500-mile pipeline. Many believe the allies woud be supporting a Soviet military buildup.

Rupen said the Soviets would build their armies no higher than before. He said the money could be used for other things such as American wheat.

Rupen said the embargo is an ineffective means of retaliating for the imposition of martial law in Poland. All the United States can hope to accomplish with such tactics is a construction slowdown and an increase in the cost to the Soviets. Thus, the U.S. embargo can be bypassed. Rupen said he would be more convinced that Poland was the reason for the action if America didn't sell wheat to the Soviets. The allies believe that if the United States can sell wheat to the Soviets, they should be able to sell equipment.

Four companies have been affected by the ban on the export of oil and gas equipment by U.S. firms, their subsidiaries and licensees to the Soviets.

British Prime Minister Margaret Thatcher, Reagan's closest ally in Europe, has openly criticized the embargo. Her new

trade order makes companies liable for fines if they do not fulfill their contracts. Both sides have stated that they don't want to start a trade war. Reagan's direct attack of the companies involved and not the allied nations is an attempt to remain on good terms with European allies.

Some have described the situation as a family quarrel that will be settled as soon as possible. But Steiner said there is a deeper problem. There is a growing resentment in Europe about the way the Americans deal with foreign policy.

Rupen said the Europeans did not feel the United States is sensitive to their problems. But he said the present situation stems from the different views Europe and the United States have about the Soviets. The Europeans do not see them as an enemy, but rather a hostile neighbor to be dealt with.

Steiner said, "They (Europeans) don't like being considered naive. They are sufficiently aware of the dangers. The only possibility for their survival is to talk."

## classified ads

#### **Classified Info**

Return ad and check or money order to the DTH office by noon the business day before your ad is to run. Ads must be prepaid.

Rates: 25 words or less Students - \$2.00 Non-students - \$3.00 5¢ for each additional word

\$1.00 more for boxed ad or boldface type

Please notify the DTH office immediately if there are mistakes in your ad. We will be responsible for only the first ad run.

announcements

RAINBOW SOCCER REGISTRATION WILL continue at 500 West Rosemary Street 10am-5pm, Monday-Friday until September 24th. RAINBOW SOCCER is a non-profit recreational commu soccer program with an emphasis on skill, striving to void itself of violence. It is open to people of any age, sex or skill. For more information call 967-8797.

LEARN BALLROOM DANCING FROM Jeffrey Fulp, 2nd place National Champion. It's a Special Interest Class, Wednesdays 7-8 PM. Only \$16 for

THE FIRST MEETING OF the 1982 Fall German's Club of IFC and Panhel will be held tonight at 8 pm in Phillips 215. This is an extremely important organizational meeting, with financing and commit-tee set-up to be determined. All past German's Club reps are urged to attend, as well as any Greek interested in having a part in the classiest social affair of the year at Carolina.

929-3730

#### lost & found

FOUND: CAT, GREY AND orange with white paws and flea collar at Columbia and Longview Streets on Sept. 10. Please call 968-0403.

REWARD OFFERED: LOSTI TWO rings with sentimental value. A black onyx and a diamond cluster, on 4th floor Health Sciences Library. Call: Amelia: 929-7506.

FOUND GIRLS WATCH BEHIND Stacy dorm, Call 933-1476 for identification

FOUND WALLET WITH NO Identification on Sept. 15. Describe and full contents will be returned. Call 929-7550 after 6:00.

LOST TRANSCRIPTS, FRENCH, WITH translations lost Saturday in vicinity of Henderson St. Reward, Call 968-8163 or 962-5594 ask for Rick Miller or Elizabeth Louveau.

FOUND SMALL ITEM OF jewelry in Granville parking lot. Identify at T.L. Kemp Jewelry, Universi-ty Square, 942-1331.

WE STILL NEED VOLUNTEER tators for the Chapel Hill School system. The Cam-pus Y is looking for interested students willing to donate a small amout of time to local schools. No tutoring experiesce needed. Also, in desperate need of foriegn language tators. For more infor-mation call Jeff Gram at 929-4020, or Pam Federline at 933-8012 or sign up at the Campus Y - room 105. THANKS!

All ads must be prepaid. Deadline: Ad must be received by

12 (noon) one business day before publication.

**EXPERIENCED COCKTAIL WAITRESS** WANTED: Call Clyde or leave message 967-8784.

PAID MALE VOLUNTEERS WITH high blood pressure needed for NCMH research project 62-0203 9 am to 4:30 pm.

**DELIVERY DRIVERS NEEDED for Bill's Bar-B-Q.** Must have own car. Call 968-0509.

NEED DEPENDABLE, HARD WORKERS. WIL pay \$7.22 an hour. Interviews are every Wednesday at 3:00. Check Union desk for Rm. No. Ask for "Gal" at interview. GPSF.

WANTED: PART TIME ADVISOR for Judea Reform High School Youth Group. Start im-mediately. Call Carol Hadler 929-3022, or Rabbi Friedman 489-7062.

STUDENT OR GRAD WIFE: Energetic and Creative sitter needed for delightful 3 year old girl. Monday and/or Thursday 12:30-5:30, including Summer. Must have references, own car. \$4.00 per hour. 967-9954.

\$341.28 MEAL TICKET FOR SALE. Call Beth at 933-7725. Will sell for \$330.00

DO YOU BELIEVE IN democracy? Both political and economic? Read IN THESE TIMES for a democratic left perspective. On sale: Student Stores, Internationalist

#### roommates

FEMALE TO SHARE WITH law student, \$113, free Sept. rent, own room, laundry, 5 miles. If no car we may work out transport. 933-9085.

#### want to buy

WILL PURCHASE NEW and USED LP's, Tapes, 45's (Rock, Classical, Jazz, Wave, Blues, etc.) and ENTIRE COLLECTIONS. Good prices. Back Door Records. 136 E. Rosemary, Mon.-Sat. 12-6 p.m., 933-0019 or 929-6175.

rides

RIDE NEEDED TO WILMINGTON Oct. 1 week-

end. Will share expenses. Please call soon if you'll be heading that way! 933-2956.

DESPERATE DUO NEEDS TRANSPORTATION

to Chapel Hill from Richmond-Petersburg area (Chester) on Sunday, Sept. 26th. Will pay usual. Call (evenings) 933-4689 or 933-6065.

HELPI RIDE NEEDED TO Pensacola, Fla. for Fall

Break. Will take ride to Montgomey, Al. or vicinity. Call assist with driving/expenses. Call Lynda at

933-4045

FOR RENT: GRAD STUDENT etc., room in home near mall. Kitchen, all appliances. \$120 plus ¼ utilities, G bus. 933-3921, T, TH, S, Su

or after 6:30.

#### miscellaneous

POOR RICHARDS...FOR PRACTICAL and durable clothing and camping goods at affordable prices. You haven't been to Chapel Hill until you've been to POOR RICHARDS. Kroger Plaza. 929-

WANTED. Aware, knowledgeable ORANGE COUNTY CITIZENS: concerned with day care, ental, health, education issues. To REGISTER by noon October 3rd and to VOTE FOR SHIRL MARSHALL, DEMOCRAT, FOR **ORANGE COUNTY COMMISSIONER.** 

CHIP (OLD WELL APTS.) Our conversation at Purdy's sparked my interest! The offer still stands to come by! Diana.

WILSON; THANKS FOR TWO wonderful yearsiet's make it many more! All my love, Carol.

DEAR TIMOTHY C. B., D.D.S; Happy 23rd Birthday. Life is too short...glad we haven't wasted any time! (Lunch at the Grapevine will never be the same!) Love, MAN.

HEY LITTLE JETTYS, WE'VE got some good news (insert)... the bug's still on the wind-shield, and even though we didn't get "carried-away," it was Divine11-BongETongHong and TongRongACongYong P.S.: Always heep some anphins handy!

**OH MY GOODNESS GRACIOUS! Who was that** in the pool with Miss Sapphire Olivia Johnsonn at that smashing soirce Sunday evening? Well, girls, I'll never tell. After all, what are friends for? Of course, if you want to guess, I can tell you if you're right or wrong. I mean, that's another matter, n'est-ce pas? With love from Miss Ouida Mae Juanette

LIKE, ARE WE TALKING about sand dunes here, or what? Of course you're only after one thing and it's not Greek French toast or photo luminescence. We have everything from inner wildness to outward spasticness, consideration to mystery, judiciousness to perfection, and mutual corruptibility (pax de deux forever). So chalk up a big success-spaghetti wise-and look out year!

Boohs, Fair Exchange.

OUT-GOING CHRISTIAN MALE seeks housing ar-rangement. If you can help, please call 933-3181. Ask for Wayne.

I NEED APARTMENT AND roommate(s), I'm willing to pay 1/2/1/2 utilities and up to \$120 p/m. Please call Raleigh, 782-4148 until 7 p.m. and 782-2299 after. Ask for Tommy

SUPPORT THE HEMOPHILIA FOUNDATION by pledging money to the Sigma Chi

personals

Classified ad may be placed at the DTH office or mailed to

the DTH Carolina Union 065A, Chapel Hill, NC 27514.

the ten week course. Registration in the Union. Hurryl Spaces are limited!

WANT TO APPLY FOR in-state tuition? Find out about the application procedure at a work-shop Wed. Sept. 22nd at 5:30 pm in the Carolina Union. Room TBA. Sponsored by the Residency Counseling Center of SCAU.

YE OLE WAFFLE SHOP on Franklin Street is open 7 days a week until 11 p.m. Serving omelets, bur-gers and daily specials.

A BEHIND THE SCENES look at the making of Star Wars. Sept. 20th thru Sept. 24th. Daily at noon. A lunch time video presentation.

CHAPEL THRILLI Interested in serving as Chapel Thrill Chairman? Come by Suite C for an applica-tion and interview time. Applications deadline: 5:00, Fri., Sept. 24th.

DONATE YOUR SERVICES: join the few, the proud, the tutoral Student Tutorial Service will be registering tutors in the Pit on Thursday, 9/23.

TUESDAY: TONIGHT AT PURDY'S LADIES LOCKOUT, Ladies get in FREE between 8 and 10. 2 drafts for 25¢ and other SPECIALS.

BOUNDSTREET: COME JOIN A professional group of actors, mimes, jugglers, musicians, acrobats, magicians and puppeteens on Sept. 29, 3:00 pm, Great Hall of the Union. For an open class, Sign up at Union desk. First 50 people only. FOUND: A DORM KEY on a key ring last Wed. night between the Phi Gam House and the DKE house, Call and identify: 933-8045.

FOUND IN A-9 Old Well one white cat with white flea collar. If you think it may belong to you then phone 929-3946 and inquire. It's a nice cat and if you don't want it, we do.

#### help wanted

EARN \$5/HOUR IN EPA breathing experiment on the UNC-CH campus. We need healthy males, age 18-35, non-smokers for at least one year. For more information please call 966-1253, Monday-Friday, 8 am-5 pm.

ASTHMATICS-EARN \$150 IN a breathing experiment on the UNC-CH campus. Time commitment is 20-25 hours over a 6-8 week period. Volunteers must be male, age 18-35, with a current or previous history of asthma. If interested please call 966-1253, Monday-Friday, 8 am-5 pm.

WOMEN NEEDED FOR LOCAL swimsult photography promotion. \$75 shootings parttime. Esperi-ence not required but helpful. Most be at least 5'2". Call 214/692-1440 for information.

AGGRESSIVE SALES PERSON WITH a ski and camping related background wanted to work at Carolina Outdoor Sports on East Franklin Street. Come by to apply or call for information: 942-6663.

#### services

IMPROVE YOUR GRADES! Research catalog-306 pages-10,278 topics-Rush \$1.00. Box 25097C Los Angeles, 90025. (213) 477-8226.

DO YOU WANT TO PARTY? Lou's Tunes plays Sinatra to swing beach and boogle. All the best rock and roll. \$40 football weekend special. Call 967-0611.

#### for sale

TICKETS! I HAVE ONE guest ticket and one stu-dent ticket for Army-UNC game. Contact Laura at 967-0293 for more information.

ONE NAUTILUS MEMBERSHIP FOR cale. Good for the Chapel Hill Boulevard Nam-tilus through December 1, 1982. Call after 6pm, 542-2545.

USED AND UNFINISHED FURNITURE, we have more than anyone in Chapel Hill. The Trading Post, beside Wendy's in Carrboro. Free delivery with this ad. 942-2017.

FOR SALE: FLUTE. STERLING aliver Art-iey, French model (open hole) excellent condition. Leather case including epace for piccolo. For serieus investore. Price negotiable. Call 933-7448 evenings.

#### Trampoline-a-thon. Starts Sept. 23, ends Sept. 26. Come and join us in front of the Sigma Chi house. Buy PTA plzza to support Hemophilia. Use a coupon.

**ARE THERE ANY NICE mature men in Chapei Hill** interested in more than a one night stand? If so, where are you? Please respond in DTH. Signed, Totally Discouraged.

WERE YOU EVER IN Phi Theta Kappa? Call me please! Let's talk alumni! No obli-gations. Contact Michelle, 967-6303 for old times sake.

WANNA PLAY IN THE biggest twister game UNC has ever seen? Come to Circle K's membership meeting tonight at 7:30 in the Union. Make contact!

#### **DELTA UPSILONI**

Here's to a great fraternity and a great asmester. The '82 Piedge class,

JIM (FROM GRAHAM), Hey' Wanna talk? Remember me from Friday night when you were "trying" to help a friend? PINK SHIRT P.S. Mix-er-Thursday Nite-Be there! Aloha!

WANT TO FEEL GOOD about yoursell? Drop by the New Well, located on the second floor of the Student Health Service, and take a look at our wide selection of materials/books on exercise, weight control, stress management, and a whole lot more! Remember-It's not what you got, it's how you use it! (Open at 10 a.m. Monday-Friday. TIN MAN KIFFNEY-Here's to your spectacular finish in the Wilmington Triathlon! You're gold to us-we're proud to know you! Love, the Groove Hut.

MRS. BAKER, NOW YOU can see your baby's strip hot off the presses. Enjoy the paper and be very proud of your son. LOVE Kathy.

MATT, CAN'T BELIEVE YOU looked right at me Saturday and didn't recognize me. I've never elipped any man's mind before. You're sexy, but you ain't worth that! Nikki.

SANDY AND BILL-CONGRATS on your ntl Why on earth did you wait so long? L.L.

CAROL, LAUREN, DAVID, ANNE, Lee, Lee, Andy. Bobby, Sue, Renee, Jeannean, Kandi, Misti, Joyce, Dale, Steve, Pam, Claire, Randy, Julie, Jerry, Dave, Christine, Jonathan, and Bill. What an AWE-SOME group! Let's go again! The Steve not into

wanted WANTED: TWO GUEST PASSES or non-student

tickets to Maryland game. Will pay your price. Please help and call Gregg at 933-0879. Thanks!

#### for rent

TWO BEDROOM APT. FOR rent. Graduate students and professionals only: \$300/month. No pets allowed. A/C, washer hookup. Water included. Phone 967-5644 fro 5-8 p.m.

10