

# 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.

sires 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.

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 rain could be reduced. He preferred the rain could be reduced.

Acid rain has not conclusively been proven to affect agriculture or forests.

"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.

"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.

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— Dr. Ellis Cowling

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

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.

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

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.

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

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.

Cowling described the acid rain problem as "the connection between our de-

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

## 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.

U.S. law and disregard the policies and laws of their own countries.

**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. 929-3730

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

"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."

## classified ads

"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.

### 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.

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.

### 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 community 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 ten week course. Registration in the Union. Hurry! Spaces are limited!

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

### 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: LOST 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. Eward. Call 969-8163 or 962-5594 ask for Rick Miller or Elizabeth Louvenst.

FOUND SMALL ITEM of Jewelry in Granville parking lot. Identify at T.L. Kemp Jewelry, University Square, 942-1331.

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.

All ads must be prepaid. Deadline: Ad must be received by 12 (noon) one business day before publication.

Classified ad may be placed at the DTH office or mailed to the DTH Carolina Union 065A, Chapel Hill, NC 27514.

### 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 swimwear photography promotion. \$75 shootings parttime. Experience not required but helpful. Most be at least 5'7". Call 214/692-1440 for information.

AGGRESSIVE SALES PERSON WITH a sld 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.

WE STILL NEED VOLUNTEER tutors for the Chapel Hill School system. The Campus Y is looking for interested students willing to donate a small amount of time to local schools. No tutoring experience needed. Also, in desperate need of foreign language tutors. For more information call Jeff Gram at 929-4029, or Pam Federline at 933-9012 or sign up at the Campus Y — room 105. THANKS!

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

PAID MALE VOLUNTEERS with high blood pressure needed for NCMH research project 962-0293 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. Will 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 Judas Reform High School Youth Group. Start immediately. 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.

### 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 boogie. All the best rock and roll. \$40 football boogie special. Call 967-0611.

### for sale

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

ONE NAUTILUS MEMBERSHIP FOR sale. Good for the Chapel Hill Boulevard Nautilus through December 1, 1982. Call after 6pm, 942-2545.

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

FOR SALE: FLUTE, STERLING silver Arley, French model (open hole) excellent condition. Leather case including space for piccolo. For serious investors. Price negotiable. Call 933-7468 evenings.

\$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, International Books, Fair Exchange.

### roommates

I NEED APARTMENT and roommate(s). I'm willing to pay 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.

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

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 weekend. 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.

HELP! RIDE NEEDED TO Pensacola, Fla. for Fall Break. Will take ride to Montgomery, AL or vicinity. Call assist with driving/expenses. Call Lynda at 933-4045.

### wanted

WANTED: TWO GUEST PASSES or non-student tickets to Maryland game. Will pay your price. Please help and call Gregg at 933-0679. 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 967-8644 to 5-6 p.m.

FOR RENT: GRAD STUDENT etc., room in home near mall. Kitchen, all appliances, \$120 plus 1/4 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. 929-5850.

### personals

WANTED: Aware, knowledgeable ORANGE COUNTY CITIZENS concerned with day care, housing, environmental, 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.

SUPPORT THE HEMOPHILIA FOUNDATION by pledging money to the Sigma Chi Trampoline-a-thon. Starts Sept. 23, ends Sept. 26. Come and join us in front of the Sigma Chi house. Buy PTA pizza to support Hemophilia. Use a coupon.

ARE THERE ANY NICE mature men in Chapel 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 obligations. 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 UPSILON! Here's to a great fraternity and a great semester. The '82 Pledge class.

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

WANT TO FEEL GOOD about yourself? 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.

WILSON: THANKS FOR TWO wonderful years—let'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, WEVE got some good news (insert)... the bug's still on the windshield, and even though we didn't get "carried-away" it was Dierkell-BongEongHong and TongHongAcongYang P.S.: Always keep some napkins handy!

OH MY GOODNESS GRACIOUS! Who was that in the pool with Miss Sapphire Olivia Johnson at that smashing soiree Sunday evening? Well, gals, 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 Jones.

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 luncheon. We have everything from inner wildness to outward spontaneity, consideration to mystery, judiciousness to perfection, and mutual compatibility (pax deus forever). So chalk up a big success—spaghetti wise—and look out year!

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 off the press. 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 slipped any man's mind before. You're sexy, but you ain't worth that Nikki.

SANDY AND BILL—CONGRATS on your engagement! Why on earth did you wait so long? L.L.

CAROL, LAUREN, DAVID, ANNE, Lee, Lee, Andy, Bobby, Sue, Renee, Jeannean, Kandl, Misti, Joyce, Dale, Steve, Pam, Claire, Randy, Julie, Jerry, Dave, Christine, Jonathan, and Bill. What an AWESOME group! Let's go again! The Steve nut into sheep.