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Contact: Vince Sweeney (518) 442-3075

86-104

PRESS CONFERENCE, TUESDAY, DECEMBER 9

ANNOUNCING THE LARGEST RESEARCH PROJECT EVER

INTO THE CAUSES OF JUVENILE DELINQUENCY

The University at Albany, State University of New York, has been awarded a multimillion dollar grant to begin the largest investigation in the nation's history into the causes of juvenile delinquency in America's cities.

University President Vincent O'Leary and researchers from the School of Criminal Justice will hold a new conference to announce and explain the grant on Tuesday, Dec. 9, at 1:30 p.m. in Room 253 of the Administration Building on the uptown campus, 1400 Washington Avenue.

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Contact: Mary Fiess (442-3091) or Pat Hunt (442-3074) 86-105

For release Dec. 3

## MAJOR ACID RAIN RESEARCH PROJECT TO MOVE TO UNIVERSITY AT ALBANY

A \$1.5 million research project critical to the development of national policies on acid rain is being moved to the Atmospheric Sciences Research Center (ASRC) of the University at Albany, State University of New York.

Now based at the National Center for Atmospheric Research in Boulder, Colorado, the project is known as the Acid Deposition Modeling Project. With funding from the federal Environmental Protection Agency, the project was established to provide policy makers with a scientific tool to use in determining what should be done to fight acid rain. The tool being developed by the project is a comprehensive computer model of the complex processes that produce acid rain.

The project will formally become part of the ASRC in February. Project director Dr. Julius Chang and between 11 and 14 other topflight scientists now working with the project will move to Albany and join the ASRC's nationally recognized roster of researchers.

The ASRC is a national leader in research in the atmospheric sciences. Its annual budget of over \$4 million supports the research of 40 scientists on a wide variety of atmospheric chemistry and meteorological topics, and one major research focus is acid rain. Research by ASRC scientists over the past decade has provided important new insights into how acid rain forms.

"The move of this very important modeling project to our University is yet another recognition of the excellence of our atmospheric sciences program. This

new project will build on our existing strengths in the complex area of atmospheric chemistry, and greatly enhance research capabilities," said University President Vincent O'Leary.

"We are gaining a scientific model of international significance. It is a very complete modeling system for understanding the impact of man's emissions on the environment," said Dr. Kenneth Demerjian, director of the ASRC and the person most influential in attracting the new project to Albany. While the model is being developed for use with the nation's acid rain problem, Demerjian says it should also prove useful in examining the broader issues of how a wide variety of pollutants are affecting man's global environment.

One problem with studying acid rain (more correctly called acid deposition, because acid is deposited in more forms than simply rain) is that it is often impossible to do the field studies that would definitively link particular pollution sources to the amount of acid deposited in particular areas.

Some scientists, for example, believe there is a simple correspondence between the amount of sulfur emissions spewed aloft by power plants in the Ohio Valley and the amount of sulfur dioxide that falls in acid rain on the East Coast. But they cannot ask power plants to cut their sulfur emissions significantly so as to check that hypothesis against reality.

This is why a computer model of the problem is so important. If the model is a good description of reality, scientists can check their hypotheses comparatively easily and quickly, simply by feeding the desired change in conditions into the computer. The answers obtained through that process will give policy makers a good scientific basis for determining appropriate control strategies.

Developing such a computer model is no easy task, however, due to the

complexity of the meteorological and chemical processes involved in acid rain.

Scientists know that the major factor in the formation of acid rain is the emission of sulfur and nitrogen oxides by burning fossil fuels in power plants and cars. These emissions react in the atmosphere and when incorporated with liquid water form acid species composed mainly of sulfuric and nitric acids. These acids eventually fall to the earth not only in rain, but also in snow and fog, and in dry forms as well.

While that basic outline of acid rain formation is fairly simple, the details underlying the process are incredibly complex. The interaction of a variety of airborne pollutants in the atmosphere and the kinds of weather happening all influence the production and transport of acid rain.

The model being developed by the Acid Deposition Modeling Project incorporates huge amounts of such meteorological data as wind speeds, temperature ranges and precipitation patterns in North American regions. It also includes models of the complex chemistry of clear-air processes, as well as the chemical processes occurring in clouds.

In a full simulation of acid rain formation, pollutants from so-called point sources -- power plants, smelters, and storage tanks, for example -- and from area sources, such as automobile exhaust, are moved by the modeled winds. At the same time, the model simulates their chemical transformations and their further redistribution through cloud interactions and other mixing processes. All these factors, meteorological and chemical, as well as the terrain of any particular locale determine how much acidic material it will receive through wet and dry deposition.

For more information, Dr. Demerjian may be contacted at (518) 442-3820.

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Dec. 3, 1986

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Contact: Vince Sweeney (518) 442-3075 86-106

## REGISTRATION FOR CONFERENCE ON WRITING AND THE HOLOCAUST OPENS

Registration is now open for an international conference on "Writing and the Holocaust," featuring more than a dozen prominent authors from the United States and abroad, to be held April 5-7, 1987, at the University at Albany, State University of New York.

Poets, novelists, historians and philosophers who have themselves variously rendered, remembered, or recorded the holocaust of the Second World War will explore a range of far-reaching moral and aesthetic implications concerning the literature of the holocaust and its meaning for a world which is still full of inexplicable instances of human cruelty. Among the internationally-known writers and scholars who will participate are fiction writer Cynthia Ozick, novelists Aharon Appelfeld, Lore Segal, and Leslie Epstein, and historians Saul Friedlander and Raul Hilberg. These noted authors and scholars will confront and discuss perhaps the most difficult and agonizing challenge to the human imagination---the representation of evil.

The conference is sponsored by the New York State Writers Institute of the State University of New York and the University at Albany's Center for Humanities and Office of General Studies. Other funding was provided by the the University's Office of the Vice President for Research and Graduate Studies, the Lucius N. Littauer Foundation and a special allocation from the New York State Legislature under the sponsorship of Senate Minority Leader Manfred Ohrenstein.

Historian Raul Hilberg, author of The Destruction of the European Jews, will open the conference at 7:30 p.m. Sunday, April 5, with an address

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entitled "I Was Not There." Fiction writer Cynthia Ozick, whose work includes The Pagan Rabbi and Galaxy, will follow with "The Shawl: A Reading."

The full day schedule for Monday, April 6, begins at 10 a.m. with a panel discussion "The Representation of Evil," with commentary by critic Alvin H. Rosenfeld, author of A Double Dying: Reflections on Holocaust Literature. Panelist and philosopher Phillip Hallie will speak on "Writing About Ethical Ambivalence During the Holocaust" and poet William Heyen on "Willed Chaos: In Poem We Trust."

The afternoon panel discussion, Literature and Memory: Autobiography, Diaries, Recollection," with commentary by novelist Richard Elman, author of The Reckoning, will begin at 1:30 p.m. Critic and panelist Lawrence Langer will talk on "Interpreting Survivor Testimony" and novelist Lore Segal on "Memory: The Problem of Imagining the Past."

Israeli novelist Aharon Appelfeld, author of Badenheim 1939 and In the Land of the Cattails, will speak at 4 p.m. on "The Tension Between Art and the Holocaust."

Film scholar Annette Insdorf will present the evening program "The Revolt of Job and Holocaust Cinema" at 7:30 p.m. It will include clips from films on the Holocaust.

The Tuesday schedule begins at 10 a.m. with Israeli historian Saul Friedlander, author of Pius XII and the Third Reich, talking on "Historical Writing and the Social Construction of the Memory of the Holocaust." Historian Hayden White of the University of California at Santa Cruz will provide commentary on this address.

The afternoon seminar at 2 p.m. "Forms of Literary Imagination" will feature historian Terrence Des Pres, author of The Survivor: An Anatomy of

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Life in the Death Camps, on "Stylistic Presentation and Holocaust Writing" and novelist Leslie Epstein, author of The King of the Jews, on "How Not to Write About the Holocaust."

The concluding panel of "Writing and the Holocaust," at 7:30 p.m. will include Aharon Appelfeld, Saul Friedlander, Raul Hilberg and Cynthia Ozick.

Registration and information for the conference can be obtained at (518) 442-5140, 442-4006 or by mail through Nancy Nullet, Office of General Studies, Husted 205, University at Albany, State University of New York, Albany, New York 12222.

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Dec. 8, 1986

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Contact: Vince Sweeney (518) 442-3075

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## ALBANY'S CRIMINAL JUSTICE SCHOOL AWARDED \$2.2 MILLION FOR LARGEST JUVINILE DELINQUENCY STUDY

The National Institute of Juvenile Justice and Delinquency Prevention has awarded a \$2.2 million grant to the School of Criminal Justice at the University at Albany, State University of New York, launching part of the largest study ever into the causes of juvenile delinquency and nondelinquency in city children.

"This research grant is the largest received by the school to date and reflects its continued position at the forefront of schools of criminal justice," University at Albany President Vincent O'Leary said. "The magnitude of the study has the potential to reshape our understanding of delinquent behavior.

"This is the type of major research grant which we at the University of Albany have come to expect. We look forward to expanded capabilities for nationally-prominent research with legislative passage of the State University of New York's Graduate Research Initiative."

Researchers from Albany's School of Criminal Justice and its Hindelang Criminal Justice Research Center will follow 1,000 seventh and eighth graders and their parents for a four year period. The School of Criminal Justice, part of the Rockefeller College of Public Policy at Albany, was selected as one of three research centers nationally which will conduct separate but coordinated studies. The other centers are the University of Pittsburgh and the University of Colorado. Albany's study is co-directed by Dean Thornberry, Drs. Margaret Farnworth, Assistant Professor of Criminal Justice, Alan Lizotte, Associate Professor of Criminal Justice, and Susan Stern, Assistant Professor of Social Welfare at Albany.



Parents will be interviewed once each year and their children twice each year in order to collect information on a variety of psychological, social and community factors that are thought to be related to social and antisocial behavior and in order to identify effective prevention and intervention strategies. The sample will include 1,000 students entering the seventh and eighth grades in 1987 with data collection beginning in 1988. In preparation, this first year is devoted to planning, design, pre-testing and final site selection.

Terence P. Thornberry, Dean of the School of Criminal Justice and co-director of the study, explained that the \$2.2 million study will incorporate past research and attempt to build a more comprehensive model explaining delinquent behavior. "As a result of earlier research, we can now describe various facets of delinquent careers, understand some of the forces that shape them and, with some degree of success, especially at the extremes, predict delinquent involvement," Thornberry said. "The object of this research project is to move the research community toward an overriding theoretical model that incorporates these various aspects of the delinquency picture into a general body of explanatory principles."

"Although the vast majority of adolescents do not engage in serious and prolonged delinquent careers," he added, "a recent study by the National Research Council has found that early onset of criminal behavior is one of the strongest predictors of its severity among adult offenders. The present study is designed to focus attention on these more serious offenders."

By following a large sample of adolescents through the teenage years, the study hopes to achieve a more comprehensive picture of the social and psychological factors that lead children both to become delinquent and also that prevent children from becoming delinquent. These factors include self-esteem, attachment to parents, deviant behavior, success in school, peer networks, belief in conventional values, and plans for the future.

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Contact: Vince Sweeney (518) 442-3075 or Mr. Kastle at 797-3314

## OPERA PREMIER CONCLUDES ALBANY TRICENTENNIAL, JANUARY 22-25

The prologue and the world premier of Part I to Leonard Kastle's opera of the Shaker's, "The Passion of Mother Ann," will be presented January 22-25 at the Lab Theater in the Performing Arts Center of the University at Albany, State University of New York, as Albany's final Tricentennial event.

The highly-acclaimed prologue, "The Calling of Mother Ann," was first performed in June, 1985, to celebrate the 25th anniversary of the Hancock Shaker Village. It depicts the persecution of the Shakers in England and the appearance of Jesus to Mother Ann Lee. Leonard Kastle's score incorporates the stirring Shaker words and sets to music powerful and moving passages from the Old and New Testaments.

Part I, "The Journey of Mother Ann," continues the story with the drama of the miraculous ocean voyage of Mother Ann and her community of Shakers to America in 1774. Short of funds, they had booked passage on an unseaworthy ship which began to take water during an ocean storm and was in danger of sinking. Mother Ann saw in vision that God would save them. Miraculously, a tidal wave slammed into the side of the ship, repositioning a structural beam and preventing the loss of the vessel.

The production of Kastle's opera is an official event of Albany's Tricentennial celebration. Mother Ann Lee and many of her community are buried in the Shaker Cemetery in Colonie. Funding for the production has been provided by the City of Albany Tricentennial Commission and the Professional Development and Quality of Work Life Fund of the United

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University Professions Union and the State of New York.

The opera will be conducted by Thomas Tyra, Dean of the Crane School of Music of Potsdam College. He will be leading an chamber orchestra composed of faculty from the Crane School and a chorus of eight students and faculty members from Potsdam who will be portraying the Shakers on their way to America. A chorus of Shakers in the prologue will be sung by vocal students from the University at Albany. The opera will also be performed at the State University of New York College at Potsdam on February 1.

Soprano Janet Stasio of Albany will sing the role of Mother Ann Lee, tenor Rand Reeves of the music faculty at Albany, the role of Jesus. The speaking part of St. John will be played by John Fox from Albany's Theater Department

The production is directed by William Leone, who will also portray the captain of the vessel, and choreographed by Constance Valis-Hill, both of Albany's Theater Department. Andi Lyons designed the lighting and scenery and Janet Herrald the costumes.

The twelve apostles of the prologue who become the sailors of Part I are singer/actors from the local community. They are Mark Smith, organist and choir director of the Methodist Church of Delmar; Michael Murphy, professor of biology from SUNY Cobleskill; Paul Delio, a psychotherapist with United Services of Renssalaer County; Robert Jacquay, an administrator with the Albany Public Library; Todd Simon, an Albany alumnus; Peter Perreault, Albany graduate student; Peter Forg, who teaches at Shaker High School; Robert Gibson, administrator at Albany; Richard Miller, a student at Albany Law School; Jeffery Hoderath, an Albany attorney, Christopher Sterman, an engineering student at RPI; William Harrison, a graduate student at Albany; and John Malthouse, a teacher at Shaker High School.

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Among Leonard Kastle's other theatrical works are the opera "Deseret" about Brigham Young, which was premiered by the NBC Television Opera Company in 1961, and the "Pariahs," an epic opera set on Nantucket Island in the whaling days. His acclaimed film "Honeymoon Killers," which was one of the top 10 movies of the New York Times in 1971, was Francois Truffaut's favorite American movie.

The production, which with intermission will run less than two hours, will be offered January 22, 23, 24, and 25, Thursday, Friday, and Saturday at 8 p.m. The Sunday matinee begins at 1 p.m. Tickets are \$5, \$3 for senior citizens and students. Reservations may be made through the ticket office at Albany, 442-3997.

Leonard Kastle is professor of fine arts and humanities at the University at Albany.

December 19, 1986

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