

State of California
AIR RESOURCES BOARD

Resolution 81-28

May 4, 1981

WHEREAS, a solicited research Proposal Number 1032-83 entitled, "A Field Study of the Impact of Transport from the South Coast Air Basin on Ozone Levels in the Southeast Desert Air Basin", has been submitted by Meteorology Research, Inc. (\$124,993) with a contribution from the California Institute of Technology (\$124,965) to the Air Resources Board for a total amount not to exceed \$249,958; and

WHEREAS, the Research staff has reviewed and recommended this proposal; and

WHEREAS, the Research Screening Committee has reviewed and recommends for funding:

Proposal Number 1032-83 entitled, "A Field Study of the Impact of Transport from the South Coast Air Basin on Ozone Levels in the Southeast Desert Air Basin", submitted by Meteorology Research, Inc. (\$124,993) with a contribution from the California Institute of Technology (\$124,965) to the Air Resources Board for a total amount not to exceed \$249,958; and

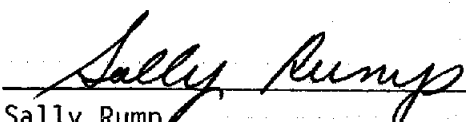
WHEREAS, the Research staff and the Research Screening Committee recommended that separate contracts be awarded to Meteorology Research, Inc. and the participating contractor in order to minimize the cost to the State,

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

Proposal Number 1032-83 entitled, "A Field Study of the Impact of Transport from the South Coast Air Basin on Ozone Levels in the Southeast Desert Air Basin", submitted by Meteorology Research, Inc. (\$124,993) with a contribution from the California Institute of Technology (\$124,965) to the Air Resources Board for a total amount not to exceed \$249,958; and

BE IT FURTHER RESOLVED, that the Executive Officer shall initiate administrative procedures and execute all necessary documents and contracts individually with each of the contractors for the research effort proposed in a total amount not to exceed \$249,958 for both contracts.

I certify that the above is true
and correct copy of Resolution
as passed by the Air Resources Board.


Sally Rump
BOARD SECRETARY

State of California
AIR RESOURCES BOARD

ITEM NO.: Mail Ballot
DATE: May 4, 1981

ITEM: Research Proposal No. 1032-83 entitled, "A Field Study of the Impact of Transport from the South Coast Air Basin on Ozone Levels in the Southeast Desert Air Basin".

RECOMMENDATION: Adopt Resolution 81-28 approving Research Proposal No. 1032-83 for funding in an amount not to exceed \$249,958.

SUMMARY: Pollution from the South Coast Air Basin is transported to both the High Desert and the Low Desert through mountain passes and over the ridge line of the San Gabriel and San Bernardino Mountains. This is substantiated by visual observations of smog cloud movement, by analyses of daily wind patterns, and by contaminants measured at desert receptor areas.

In this study, small amounts of inert chemical tracer gas will be released at selected points in the South Coast Air Basin and the Southeast Desert Air Basin. Air samples will be collected throughout the downwind receptor areas of the Southeast Desert Air Basin and along the mountain slopes and passes ringing the Basin and based on the tracer gas concentrations measured in these samples, the pollutant transport routes will be identified and the impact will be quantified.

The results of this project are needed to assist in the development of control strategies that will permit the achievement of the ambient air quality standard for ozone in the adjacent receptor areas downwind of the South Coast Air Basin.