

THE TWENTY-FIFTH ANNUAL NEW MEXICO WATER CONFERENCE  
PROGRAM

THURSDAY - APRIL 24, 1980

8:00 - 9:00 REGISTRATION

Stucky Hall  
Water Resources Research Institute

9:15 - 9:35 OPENING REMARKS AND INTRODUCTION

Donald C. Roush  
Acting President  
New Mexico State University

SESSION ONE: THE PAST 25 YEARS

Moderator: Thomas G. Bahr  
New Mexico Water Resources Research Institute

9:35 - 9:55 WATER RESOURCES RESEARCH - THE EARLY YEARS

H. Ralph Stucky  
Professor Emeritus  
New Mexico State University

9:55 - 10:20 A HISTORICAL PERSPECTIVE OF WATER MANAGEMENT  
IN NEW MEXICO

Steve E. Reynolds  
New Mexico State Engineer

10:20 - 10:40 WATER BREAK

10:40 - 11:05 THE IMPORTANCE OF CROP PRODUCTION FUNCTIONS IN  
EVALUATING CONSUMPTIVE USE OF WATER

Eldon G. Hanson  
Professor Emeritus  
New Mexico State University

11:05 - 11:30 WATER RESOURCES OF THE RIO GRANDE - AN  
INTERDISCIPLINARY APPROACH

Robert Lansford  
Professor of Agricultural Economics  
New Mexico State University

11:30 - 1:30 LUNCH - HOLIDAY INN

SESSION TWO: CURRENT ACTIVITIES

Moderator: Garrey Carruthers  
New Mexico State University

1:30 - 1:45 SALINE WATER UTILIZATION - AN INTERNATIONAL  
PERSPECTIVE

George O'Connor  
Associate Professor of Agronomy  
New Mexico State University

1:45 - 2:00 RESULTS OF COMPUTER MODELING OF GROUNDWATER FLOW -  
THE CALCIUM CARBONATE AQUIFER OF THE CENTRAL ROSWELL  
BASIN

Kenneth R. Rehfeldt  
Graduate Student  
New Mexico Institute of Mining and Technology

2:00 - 2:15 WATER CONSERVATION THROUGH PLANT BREEDING - ALFALFA

Marvin Wilson  
Bill Melton  
Professors of Agronomy  
New Mexico State University

2:15 - 2:30 U.S. GEOLOGICAL SURVEY: UPDATE ON CURRENT ACTIVITIES

James F. Daniel  
District Chief  
U.S. Geological Survey  
Water Resources Division

2:30 - 2:40 WATER AND POWER RESOURCES SERVICE: UPDATE ON CURRENT  
AND PROPOSED ACTIVITIES

Warren Weber  
Water and Power Resources Service

2:40 - 2:50 THE SIX-STATE HIGH PLAINS-OGALLALA AQUIFER AREA STUDY:  
1979-1982

Joe B. Harris  
Resource Economist  
High Plains Associates

2:50 - 3:00 160-ACRE LIMITATION: CURRENT STATUS

Frank DuBois  
New Mexico Department of Agriculture

3:00 - 5:00 POSTERS AND EXHIBITS

Stucky Hall

THURSDAY - APRIL 24, 1980 - EVENING SESSION

7:00 BANQUET

Featured Speaker: Pat O'Meara  
National Water Resources Association

FRIDAY - APRIL 25, 1980

SESSION THREE: WHAT DOES THE FUTURE HOLD?

Moderator: Lucy Fox  
New Mexico Energy and Minerals Department

9:00 - 9:20 THE IMPACT OF ENERGY DEVELOPMENT ON WATER RESOURCES

Larry Kehoe, Secretary  
New Mexico Energy and Minerals Department

9:20 - 9:40 MINE DEWATERING

Michael B. Campbell  
Campbell and Black, P.A.

9:40 - 10:00 FEDERAL WATER LEGISLATION

Harold Brayman  
Senate Committee on Environment and Public Works

- 10:00 - 10:20 THE IMPACT OF DESALTING ON WATER SUPPLY - ALAMOGORDO,  
NEW MEXICO
- Don Des Jardin  
Consulting Engineer  
Gordon Herkenhoff & Associates
- 10:20 - 10:30 QUESTION AND ANSWER PERIOD
- 10:30 - 10:50 WATER BREAK
- 10:50 - 11:10 THE FUTURE OF WATER QUALITY
- Peter Krenkel, Director  
Nevada Water Resources Center
- 11:10 - 11:30 FUTURE ROLES FOR THE CORPS OF ENGINEERS
- Col. Bernard J. Roth  
District Engineer  
U.S. Army Corps of Engineers
- 11:30 - 11:50 THE FUTURE OF AGRICULTURAL WATER USE IN NEW MEXICO
- George Dawson, Head  
Department of Agricultural Economics  
and Agricultural Business  
New Mexico State University
- 11:50 - 12:00 QUESTION AND ANSWER PERIOD
- 12:00 - 2:00 STATEWIDE WATER CONFERENCE ADVISORY COMMITTEE MEETING