REMARKS BY
GILBERT G. STAMM
COMMISSIONER OF RECLAMATION
U.S. DEPARTMENT OF THE INTERIOR
AT THE FOUR-STATES IRRIGATION COUNCIL MEETING
DENVER, COLORADO
JANUARY 15, 1976

This is the first opportunity I have had to meet with this organization for quite a long time, and I'm pleased it has come on the occasion of your 25th anniversary.

You have seen many changes in Reclamation and irrigation in the last 25 years—and you have been one of the agents for change. You have seen the great rivers of the Four-States Region tamed and their waters used to change the "Great American Desert," as seen by the early explorer Major Long, into one of the highest producing agricultural...
areas in the Nation. At the time your council was organized, there were only eight irrigation systems under construction and nine completed by the Bureau within the Lower Missouri Region with water being delivered from 10 irrigation districts. Now there are 35 completed systems in the region and one still under construction with water being delivered from 34 irrigation districts.

Over the past 69 years on which we have good records, these systems have produced crops having a cumulative gross value of over $5 billion, that is 15 times as much as the total $348 million invested in completed irrigation project facilities. Nationally, crops produced on Reclamation project lands have a cumulative gross value of over $45 billion. This is seven and one-half times as much as the total $6 billion invested in completed facilities. And in 1974, western farmlands
irrigated by Federal Reclamation projects produced enough food to satisfy the annual needs of about 33 million people—no small contribution in this hungry world. This is an impressive record.

I am pleased to note that you aren't resting on your laurels. Many of you are now involved in the development of Reclamation projects currently underway in the Lower Missouri Region—two or three of which I'd like to review.

As in the last few years, the major construction program in the Lower Missouri Region centers around the Fryiingpan-Arkansas Project, now 44 percent complete. The $500 million project is a complex plan for bringing water from the western slope of Colorado to the Arkansas River Basin in southeastern Colorado.

It involves water storage structures, tunnels, hydroelectric power facilities, and conveyance
systems. Water is already being stored in Pueblo Reservoir, Ruedi Reservoir near Aspen, and in the enlarged Turquoise Lake near Leadville. Several tunnels of the West Slope Collection System and the Charles H. Boustead Tunnel, which transports water through the Continental Divide, have been completed and are now delivering water to the East Slope. When finished, in 1983, the project will annually produce 41,000 acre-feet of municipal and industrial water, water for supplemental irrigation of 280,000 acres of land in the Arkansas Valley, substantial flood control, recreation, and fish and wildlife benefits. The hydroelectric power facilities will have an installed capacity of 211,000 kilowatts.

One of the key features of the Fryingpan-Arkansas Project is the Pueblo Dam and Reservoir located about 6 miles west of Pueblo, Colorado. The dam was completed last fall, and the 357,000 acre-foot of storage space makes it the largest impoundment
Initial storage has begun, and some recreational activities were available this past summer. The Colorado Division of Parks and Recreation will operate the recreation facilities, and the State Wildlife Division will manage the fish and wildlife aspects of the facility.

Construction of the Mt. Elbert Pumped-Storage Power plant structure on the shore of Twin Lakes, south of Leadville, was completed in 1975. The completion contract for the plant and visitor center plus installation of equipment is presently underway and is scheduled for completion in August 1977. The contract for construction of the forebay was awarded in August 1975, and the switchyard contract is scheduled for award this spring. Construction of a transmission line from the plant to the Public Service Company of Colorado's Malta Substation near Leadville is scheduled for this summer. The power-
plant complex is being constructed in two phases with the initial generating unit of 100,000 kilowatt capacity to be available in 1977 and the second 100,000 kilowatt unit scheduled to be on the line in 1980.

Not yet under construction is the Narrows Unit, a plan for development and conservation of water and land resources in the Colorado portion of the South Platte River Basin. The plan provides for construction of the Narrows Dam and Reservoir for multiple-purpose water storage, incorporation of the existing nearby Jackson Reservoir for project use, and acquisition of lands and construction of facilities for recreation and fish and wildlife purposes.

The Narrows damsite across the South Platte River is about 7 miles upstream from Fort Morgan, Colorado, and about 70 airline miles downstream from Denver.
No Federal construction of canals, laterals, or other water conveyance facilities is planned as part of the unit. Supplemental irrigation water will be released through the dam into the South Platte River for subsequent diversion by existing irrigation facilities. A special outlet will be provided through the dam to deliver water to the Fort Morgan Canal to replace diversion and conveyance facilities inundated by the reservoir.

A Draft Environmental Impact Statement on the Narrows Unit has been filed with the Council on Environmental Quality and is now undergoing public review. The Final Environmental Impact Statement is scheduled to be filed with CEQ in April 1976. It is anticipated that construction will begin on the Narrows Unit in the near future.

I don't think we can talk about Reclamation in this region without mentioning the Nebraska Mid-State Division. I'm sure most of you know that
the vote to continue the Mid-State Reclamation District, the project's sponsoring organization, failed this past November.

The Bureau of Reclamation is now taking steps to preserve all the data collected on Mid-State in the event that the project is reborn at some future time.

What happens to the Mid-State Project in the future will depend to a large extent on how the local people want to resolve the area's declining water table problems.

The Mid-State situation underscores the need for a strong and continuing public involvement program, which we in the Bureau have been emphasizing for some time. Local people are rightfully demanding a stronger voice in deciding what solutions will
be applied to local water resource development problems.

Our hope is that the local decisions, in the future, will be based on factual material with all pros and cons fully exposed and analyzed. Despite the Mid-State situation and the emphasis in recent years toward development of municipal and industrial water facilities and hydroelectric power generation, there now seems to be a movement toward more recognition of irrigation's role in water resource development. This isn't necessarily a shift of emphasis from M&I and hydro to irrigation, but more of a recognition that irrigation is an integral part of true multipurpose development, and a realization of the important role irrigation has and can continue to play in providing food and fiber for the Nation and the World while at the same time continuing to expand, strengthen, and
balance the economy in the West.

There is an increasing awareness of the fact that water is an essential ingredient in solving both our food and energy problems. Unfortunately, during some discussions of the need for water to develop the West's vast fossil fuel resources, many have jumped to the conclusion that water will be taken for energy at the expense of agriculture. I don't believe this will be allowed to happen to any significant degree or over a long-term period. In many of our Western States the available supplies of water which will eventually be needed for agriculture and other uses exclusive of energy have not been fully developed and will not be for many years. Use of that water now to meet an interim demand for energy could actually facilitate and hasten the day that a controlled water supply would become available for agriculture.
Facilities could be built now to develop the water needed for coal gasification and liquefaction, and for oil shale processing, for example, and be available to provide water for irrigation and other uses many decades after the fossil fuel supplies are exhausted or become obsolete because of newer, more economic, or more acceptable means for meeting our energy needs. In other words, I believe the physical resources and technical competence are available to meet the increasing competition in the West without downgrading the benefits of irrigation.

Of course, as the waters of the West are more and more committed and put to use, the potentials for meeting water demands through water conservation and reuse become increasingly important. Also the concept of increasing productivity, long applied to labor and land, must be applied to water as well. In irrigation, where water is a scarce
or limiting factor in farming, operations should be geared to maximize the output of agricultural products per unit of water use. Means to accomplish this include the lining of conveyance and distribution systems, more exact timing of water deliveries, avoidance of over deliveries, use of new water saving methods such as sprinklers and drip irrigation, and overall better water management. I'm sure I don't need to belabor this point, since much of your discussion here this week will be centering on these issues, opportunities, and challenges.

This means that the essential character of water resource management in the future will not be limited to development of new supplies. Much of the thrust will be toward more intensive management of relatively fixed supplies and reallocation of supplies among competitive uses. Water resource planning is no longer solely a matter of finding reservoir sites and canal alignments. It is a matter of
achieving a mix of water uses and managing the available water resource to serve the traditional needs that continue to be important, as well as the emerging new demands that will support a vigorous and desirable society.

When we talk about future water resource management to serve traditional needs and to meet emerging new demands, we must of necessity think about goals and priorities in water management. I believe these goals and priorities begin with people like you who have always had a keen interest in the wise management of our water resources, for it is from you and in cooperation with you that we arrive at our national goals.

As I told participants at the recent National Water Resources Association, one of the prerequisites to making certain the availability of the water we need to attain national goals is the development of a coherent national water policy. It should be a policy that recognizes the critical relationship
between water and the attainment of our national objectives concerning food, energy and the environment. And it should be a policy that also recognizes regional as well as national needs and objectives.

We need a policy that is specific enough to accomplish national goals, yet flexible enough to recognize regional physical differences, human problems, and opportunities. Although we must acknowledge those differences, we must also acknowledge our commonality. There is today disturbing evidence of state isolationism and isolationism among competing interest groups. No Western State could have reached its present day stage of development, growth, and prosperity without the help, materials, manpower, ingenuity, and mutual progress of other States. Interdependence among the States has created growth and strength. This will hold for the future as well as the past.
We must all face up to the fact that the clock is running down. Significant areas of the Western United States face the prospect of devastating water problems relating to both quality and quantity within the next 15 to 25 years unless we accelerate our efforts towards solving those problems. One of the great disadvantages in water resource development is that it takes that long, or even longer in some cases, to transfer an idea into reality. Therefore, we cannot wait until a crisis hits before we begin remedial action.

Regardless of how a national water policy is ultimately formulated, regardless of who is to be primarily responsible for implementing that policy, there is a role for each of us to play... as individuals and as members of the different organizations we represent at the Federal, State, regional, or local level...in making certain
that our water resources are developed and managed wisely to attain the maximum benefit for the majority of our people.

At the Federal level, the prime concern must be for the common interests, the needs of all the people. The Executive Branch and the Congress must work together to determine national priorities...on energy, food, environmental protection...within the framework of broad national goals and the free enterprise system. One such priority determination should relate to expanded irrigation with Federal assistance.

A national water policy should clearly address all these considerations so our water programs are kept consistent with national, and even international, food, energy, and environmental policies.

How you fit into this picture will be determined to a large extent by how important you think a
national water policy is and to what extent you wish to become involved in developing it. Speaking for one of the Nation's principal water development agencies, we welcome your input into developing such policy. I hope you can find a place for discussing the topic this week and continue consideration of this need in the weeks and months ahead as we approach what I think is the deadline for beginning its development.

I appreciate the opportunity to be with you today to share with you some of my feelings about water resource management and to bring you up-to-date on a few highlights of the Bureau's programs in this region. We talk a lot to you and others concerned with water management, but please believe me when I say we want to hear from you as well. We have been partners in
water management for a long time, and I hope you have never considered yourselves as silent partners. I can assure you we haven't. We need all the advice and counsel we can get as we move even further into the era of greater demands on our natural resources. We have been both pleased and impressed with your contributions and participation in irrigation water management over the last 25 years, and we look forward to another 25 years of this excellent relationship.

#    #    #
25TH ANNUAL MEETING

JAN. 15-16, 1976

EXECUTIVE TOWER INN
DOWNTOWN DENVER

FOUR STATES IRRIGATION COUNCIL
Dear Friends and Members:

The Silver Anniversary meeting of the Four-States Irrigation Council, held at the Executive Tower Inn, Denver, Colorado, January 15-16, 1976, was informative and beneficial for everyone in attendance. There were 176 persons registered, and 16 commercial and business concerns represented.

This year's Proceedings are in a pictorial format, indicating the speakers and the topics of their presentations. Copies of the presentations made at the meeting are available upon request from the Bureau of Reclamation, Lower Missouri Region, Building 20, Denver Federal Center, Denver, Colorado, 80225, Attention: LM-430.

Sincerely,

Charles A. Calhoun
For The Four-States Irrigation Council
PROGRAM
25TH ANNUAL MEETING
FOUR-STATES IRRIGATION COUNCIL
Executive Tower Inn
Thursday, January 15, 1976

Registration

Morning Session

CALL TO ORDER AND WELCOME

8:15 Earl Phipps - Four-States Irrigation Council President
8:25 Doyle Leonard - Commercial Advisor-at-Large
8:35 Joe D. Hall - Advisor at Large

FINANCIAL ALTERNATIVES FOR WATER USER ORGANIZATIONS

SESSION CHAIRMAN - Millard Moore, Kansas Director

8:45 "Small Project Loans, Rehabilitation and Betterment Program, and Emergency Funding" - J. Willis Ervin, Regional Supervisor of Water and Land Operations, USBR

9:00 Coffee Break

9:30 "Small Project Loan - Application for and Implementation" - Harlan Seaworth, President, North Poudre Irrigation Company

10:00 "Rehabilitation and Betterment" - Harold Anderson, Manager, Uncompahgre Valley Water Users Association

10:30 "A Cooperative Effort on Critical Repairs" - Tom Bowman, Manager, Pathfinder Irrigation District

11:00 "Supervisory Control of Reservoirs" - Bob Prouty, Chief of Water and Land Operations Division, Kansas River Projects

11:30 Luncheon - Earl Phipps, Presiding

SILVER ANNIVERSARY SPEAKER - GILBERT STAMM - COMMISSIONER - USBR

Afternoon Session

OPERATION AND MAINTENANCE

SESSION CHAIRMAN - Bill Klapwyk, Colorado Director

1:00 "Review of Maintenance Activities of Bureau of Reclamation" - Larry Dozier, Water Operations, USBR

1:30 Workshops

I. "Water Measurement and System Efficiency" - Jack Schuster, Hydraulics Branch, USBR, E&R Center

II. "Weed Control" - Jack Penner of Magna Corporation, and Dean Schachterle, Chief, Land Management and Recreation Branch, USBR

2:30 Coffee Break
3:00 Workshops

I. "Small District Problems with Equipment for Canal Prism Maintenance" - Robert Schamel, Manager, Cedar Bluff Irrigation District

II. "Protective Coatings for Metal" - Jack Kiewitt, Head, Materials Science Section, Engineering and Research Center, USBR

4:00 Panel - "Canal Linings - Types Construction and Maintenance" - Robert Ferrese, Canal Structures and Bridges, USBR, E&R Center, Rod Cox - Central Nebraska Public Power and Irrigation District

6:30 Social Hour

7:30 Awards Banquet - Presentation of Headgate Awards

Friday, January 16, 1976

Morning Session

DISTRICT MANAGEMENT

SESSION CHAIRMAN - Leroy Pieper, Nebraska Director

8:00 "Ground-Water Depletion of Reservoir Inflows" - Robert Kutz, Project Manager, Kansas River Projects

8:45 Coffee

9:15 "Past, Present and Future in the Kansas High Plains" - Jim Power, Kansas Water Resources Board

10:00 "The Use and Installation of Multi-plate for Bridge Replacement" - Dave Wilke, Big "R" of Greeley


10:45 "Increasing Costs of District Operations - Staff and Equipment" - Dick Dirmeyer, General Manager, Central Nebraska Public Power and Irrigation District

11:30 State Meetings

12:00 Business Luncheon
Election of Officers

1:00 Board Meeting

1:00 Individual Conferences by Arrangement
REGISTRATION

Silver Anniversary Meeting
Four-States Irrigation Council
Executive Tower Inn
Denver, Colorado
January 15-16, 1976
CONFERENC E REGISTRATION
District Representatives

Agricultural Ditch and Reservoir Company
10080 West 27th Avenue
Denver, Colorado 80215
Eugene Cress

Amity Mutual Irrigation Company
P.O. Box 187
Holly, Colorado 81047
William Howland

Bostwick Irrigation District in Nebraska
Red Cloud, Nebraska 68970
Charles R. Harrison
Richard Meyer
Vernon Krueger

*Catlin Canal Company
917 Elm Avenue
Rocky Ford, Colorado 81607
Wayne Whittlinger

*Central Colorado Water Conservancy District
315 Denver Avenue
Fort Lupton, Colorado 80621
John Rayburn

Cedar Bluff Irrigation District
No. 6
Route 2
Ellis, Kansas 67637
Robert Schamel
Millard Moore
C. Flood
Jim Wannamaker
Alan Moore

Central Nebraska Public Power and Irrigation District
P.O. Box 356
Holdrege, Nebraska 68949
Dick Dirmeyer
Rod Cox

*Farmers Irrigation District
Box 307
Scottsbluff, Nebraska 69361
B. W. Moore
James Pickering, Jr.
Jim Pringle
Lee Voland

Farmers Reservoir and Irrigation Company
P.O. Box 657
Loveland, Colorado 80537
Tom Fisher
Lawrence Gerkins

Farwell Irrigation District
Farwell, Nebraska 68838
John Lane

Fort Lyon Canal Company
P.O. Box 231
Las Animas, Colorado 81054
Alferd Putnam
Arthur Esgar

Frenchman-Cambridge Irrigation District
P.O. Box 116
Cambridge, Nebraska 69002
Vernon D. Laverack
Roy Patterson
Jim Chitwood
Kenneth Carpenter
Lester Johnson
Doane Trail

* Organization not registered.
Gering Fort Laramie Irrigation District
Gering, Nebraska 69341
Walter Butcher
Calvin Dwing
Robert Thomas
Alex Heimbouch
Charles Yount
Donald O. Winchell

Gering Irrigation District
Gering, Nebraska 69341
Edward Martin

Goshen Irrigation District
Box 717
Torrington, Wyoming 82240
Neal Payne
Floyd Pease

Grand Valley Water Users Association
500 South 10th Street
Grand Junction, Colorado 81501
Bill Klapwyk

Greeley and Loveland Irrigation Company
808 23rd Avenue
Greeley, Colorado 80631
Edward Boresen
Elmer Stroh

Kansas Bostwick Irrigation District No. 2
P.O. Box 204
Courtland, Kansas 66939
Quentin Leece

Kirwin-Webster Irrigation District
Gaylord, Kansas 67638
Leland Stroup
Jerry Boland
Allen Guttrey
Delmar Meyer
Scott Megaffin

* Organization not registered.

*Larimer & Weld Irrigation Company
1605 Lawton Lane
Fort Collins, Colorado 80521
Tom J. Nix
John Johnston

*Lower Boulder District Company
6390 Baseline Road
Boulder, Colorado 80303
Albert D. Bloom

Lower South Platte Water Conservancy District
P.O. Box 1725
Sterling, Colorado 80751
Gary Friehauf

Mancos Water Conservancy District
Mancos, Colorado 81328
Loyd Doerfer

Middle Loup Public Power and Irrigation District
P.O. Box 37
Arcadia, Nebraska 68815
Allan J. Schmidt

Midvale Irrigation District
Box 128
Pavillion, Wyoming 82523
Orville Stevens
Wesley Pink

Mitchell Irrigation District
1273 Central Avenue
Mitchell, Nebraska 69357
Lawrence F. Strong
LeRoy Pieper
Harry Weber
Ronald Dolberg
G. E. Exley

Nebraska Public Power District
Box 310
North Platte, Nebraska 69101
Robert L. Petersen
Gary Westphal
North Poudre Irrigation Company
117 Cleveland
Wellington, Colorado 80549
Harlan Seaworth
Ben Dumler

Northern Colorado Water Conservancy District
Box 679
Loveland, Colorado 80537
Earl F. Phipps
Larry D. Simpson
Robert R. Smith
Ken L. Whitmore
Bob E. House
H. R. Witt
Harold N. Bower
Jim Wooldridge
Gene E. Schleiger
Richard I. Brown
Raymond O. Reeb

Pathfinder Irrigation District
Box 338
Mitchell, Nebraska 69357
Tom Bowman
Carl Meier
Marvin Bennett
Harry Howell

Rio Grande Canal Water Users Association
Box 288
Monte Vista, Colorado 81144
Barry Nelson

San Luis Valley Irrigation District
P.O. Box 637
Center, Colorado 81125
John R. Stock

Southeastern Colorado Water Conservancy District
905 Highway 50 W
Box 440
Pueblo, Colorado 81005
Charles Thomson
Keith Webb
Frank Milenski
Thomas McCurdy
George Everett
Kenneth Carter

Uncompahgre Valley Water Users Association
Box 69
Montrose, Colorado 81401
Harold C. Anderson
Garner L. McNight

Wheatland Irrigation District
Box 88
Wheatland, Wyoming 82201
R. L. Ryff
Larry K. Johnston
Kenneth Kennedy
Raymond Yost

State and Other Agency Representatives

Board of Water Commissioners
City & County of Denver
144 West Colfax Avenue
Denver, Colorado 80202
J. L. Ogilvie
C. E. C. Carlson
G. A. Wilson
R. L. Schroeder

Board of Water Works of Pueblo, Colorado
P.O. Box 400
319 West 4th Street
Pueblo, Colorado 81002
Larry C. Fountaine
Terry G. Pike
Colorado Water Congress
Fred Caruso

*J. T. Banner & Associates Company
Cheyenne, Wyoming 82001
Floyd Bishop

Kansas Water Resources Board
1134-S State Office Building
Topeka, Kansas 66612
James A. Power
Keith S. Krause

*Nebraska Department of Water Resources
Box 282
Bridgeport, Nebraska 69336
Stan Christensen

Nebraska Natural Resources Commission
Box 94725
State House Station
Lincoln, Nebraska 68500
Dayle Williamson

*University of Wyoming
Box 3354 University Station
Laramie, Wyoming 82070
Donald J. Brosz

*Wyoming State Board of Water Control
Cheyenne, Wyoming 82001
Earl Michael

Bureau of Reclamation Representatives

Washington, D.C.
G. G. Stamm
Cliff Barrett
Ralph Adkins

*Engineering and Research Center
Building 67
Denver Federal Center
Denver, Colorado 80225
Robert Ferrese
Jack Schuster
Jack Kiewitt

Lower Missouri Region
Building 20
Denver Federal Center
Denver, Colorado 80225
Joe D. Hall
Charles Calhoun
Larry Dozier
Ken Randolph
Roland Ridgway
C. W. Griffin
Robert K. Lanky
Bill Plummer
Ed Talbot
Dean Schachterle
George Stapleton
J. Willis Ervin

Fryingpan-Arkansas Project
P.O. Box 515
Pueblo, Colorado 81002
Willard C. Kregger
Joseph B. Marcotte, Jr.

* Organization not registered.
Commercial

Badger Meter, Inc./Tech Sales, Inc.
2765 West Hampden Avenue
Englewood, Colorado 80110
  Jim A. Bauer

Big "R" of Greeley
818 Third Avenue
Greeley, Colorado 80631
  Howard Nicholson
  Bruce Preston
  Dave Wilke

Bruns, Inc.
Consulting Engineers
1035 Coffman Street
Longmont, Colorado 80501
  Ken Bruns
  Jackie Malcolm
  Carl Hurst
  Duane Johnson
  Robert Baker
  Ken Dickey
  Jim Stokes

Certain-teed Products Corporation
11994 East Hawaii Circle
Aurora, Colorado 80012
  C. C. "Cal" Clubb
  George W. Sanders

* Organization not registered.
CF&I Steel Corporation  
Land & Water Department  
Box 316  
Pueblo, Colorado  81002  
Leo Olson

*CH2M Hill  
12000 East 47th Avenue  
Denver, Colorado  80239  
   Gilbert N. Haycock  
   Bill Sinclair

Conrad's Irrigation, Inc.  
P.O. Box 526  
Gaylord, Kansas  67638  
   Pearl Conrad  
   Terry Smith

Cummins Power, Inc.  
5100 East 58th Avenue  
Commerce City, Colorado  80022  
   R. A. Stillwell

Gifford-Hill & Company, Inc.  
P.O. Box 596  
Fort Morgan, Colorado  80701  
   Glen E. Farmer  
   Jack W. Stoller

Hale Pump Company  
2432 South Newport Street  
Denver, Colorado  80237  
   Richard E. Rex  
   Guy Scholtier

Irrigation Systems Company  
1880 K Road  
Fruita, Colorado  81521  
   John Korver  
   Tony Serve

Magna Corporation  
P.O. Box 33387  
Houston, Texas  77033  
   Jack Penner  
   Mike Lofland

MUESCO, Inc.  
Western Division  
P.O. Box 6570  
Orange, California  92668  
   Glen White

Thompson Pipe & Steel Company  
P.O. Box 2852  
Denver, Colorado  80201  
   Ken Mishler

Ulysses Irrigation Pipe Company  
P.O. Box 687  
Ulysses, Kansas  67880  
   Virgil Prophet  
   Mat Traster

Waterman Industries Sales, Inc.  
P.O. Box 862  
Garden City, Kansas  67846  
   Doyle R. Leonard  
   Tomey Norris

* Organization not registered.
COMMERCIAL EXHIBITS

Badger Meter, Inc./Tech Sales, Inc.

Big "R" of Greeley
Bruns, Inc.
Consulting Engineers

Certain-teed Products Corporation
Conrad's Irrigation, Inc.

Hale Pump Company
Waterman Industries Sales, Inc.

Coffee
Compliments of Commercial Exhibitors
January 15, 1976
Morning Session
Speakers

Earl Phipps
Northern Colorado Water Conservancy
President
Four-States Irrigation Council

Doyle Leonard
Waterman Industries Sales, Inc.
Commercial Advisor-at-Large
Four-States Irrigation Council

Joe D. Hall
Lower Missouri Region
Bureau of Reclamation
Advisor-at-Large
Four-States Irrigation Council
Presiding - Millard Moore
Cedar Bluff Irrigation District
Kansas Four-States Director

"Small Project Loans, Rehabilitation and Betterment Program and Emergency Funding"
J. Willis Ervin, Regional Supervisor of Water and Land Operations, Bureau of Reclamation

"Small Project Loan - Application for and Implementation"
Harlan Seaworth, President
North Poudre Irrigation Company
"A Cooperative Effort on Critical Repairs"

Tom Bowman, Manager
Pathfinder Irrigation District

"Rehabilitation and Betterment"

Harold Anderson
Manager, Uncompahgre Valley Water Users Association

"Supervisory Control of Reservoirs"

Bob Prouty, Chief of Water and Land Operations Division, Kansas River Projects, Bureau of Reclamation
January 15, 1976
Luncheon

Silver Anniversary Speaker
Gilbert Stamm, Commissioner
Bureau of Reclamation
January 15, 1976
Afternoon Session

Presiding - Bill Klapwyk,
Grand Valley Water Users Association
Colorado Four-States Director

"Review of Maintenance Activities
of Bureau of Reclamation"
Larry Dozier, Water Operations
Branch, Lower Missouri Region
Bureau of Reclamation

WORKSHOP I

"Water Measurement and System
Efficiency"
Jack Schuster, Hydraulics Branch
Engineering and Research Center
Bureau of Reclamation
WORKSHOP II
"Weed Control"

Jack Penner
Magna Corporation

Dean Schachterle
Chief, Land Management and Recreation
Branch, Lower Missouri Region, Bureau of Reclamation

WORKSHOP III
"Small District Problems with Equipment for Canal Prism Maintenance"

Robert Schamel, Manager
Cedar Bluff Irrigation District
WORKSHOP IV
"Protective Coatings for Metal"

Jack Kiewitt
Head Materials Science Section,
Engineering and Research Center
Bureau of Reclamation

PANEL
"Canal Linings - Types, Construction and Maintenance"

Robert Ferrese
Canal Structures and Bridges
Engineering and Research Center
Bureau of Reclamation

Rod Cox
Central Nebraska Public Power and Irrigation District
AWARDS BANQUET
January 15, 1976

President Earl Phipps
Presiding
Ground-Water Depletion of Reservoir Inflows
Robert Kutz, Project Manager, Kansas River Projects, USBR

Past, Present and Future in the Kansas High Plains
Jim Power, Kansas Water Resources Board

Presiding - LeRoy Pieper
Mitchell Irrigation District
Nebraska Four-States Director
1975
HEADGATE AWARDS

Irrigation is the keystone of western agricultural prosperity and progress. And irrigation is not impersonal or inanimate--irrigation is men, many of them.

The Four-States Irrigation Council each year honors one man from each state who is outstanding in expanding the scope and improving the efficiency of use of water for irrigation.

These are men who have provided leadership, intelligence, devotion, exertion, money--and sometimes, the full concentration of professional careers--to the furtherance of irrigation. To such men, the Four-States Irrigation Council proudly presents its Headgate Award.

Recipients of "Headgate Awards" for 1975 (from left to right)

Earl Michael       - Wyoming
G. E. Exley        - Nebraska
Keith S. Krause    - Kansas
Frank Milenski     - Colorado
"The Use and Installation of Multi-Plate for Bridge Replacement"
Dave Wilke, Big "R" of Greeley

"The Use of Canal Water Through Center Pivot Irrigation"
Glen Farmer, Gifford-Hill & Co., Inc.

"Increasing Costs of District Operations - Staff and Equipment"
Dick Dirmeyer, General Manager, Central Nebraska Public Power and Irrigation District
BUSINESS LUNCHEON
January 16, 1976

Kenneth Kennedy
Wheatland Irrigation District
Secretary-Treasurer's Report

Kenneth C. Randolph, Jr.
Bureau of Reclamation
Report on Meeting Attendance

Charles A. Calhoun
Bureau of Reclamation
Report on Summer Tour

Jim Wannamaker
Cedar Bluff Irrigation District
Nominations and Elections

Doyle Leonard
Waterman Industries Sales, Inc.
Commercial Advisor
OFFICERS AND DIRECTORS

Outgoing Officers and Directors

(L to R) Alex Heimbouch, Vice President; Joe D. Hall, Advisor-at-Large; Earl Phipps, President; Millard Moore, Director for Kansas; Doyle Leonard, Commercial Advisor-at-Large; Bill Klapwyk, Director for Colorado; (not pictures) Kenneth Kennedy, Secretary-Treasurer; Leroy Pieper, Director for Nebraska; and Jack Miles, Director for Wyoming

Incoming Officers and Directors

(L to R, back row) Joe D. Hall, Advisor-at-Large; Jim Wannamaker, Director for Kansas; Lester Johnson, Director for Nebraska; Bill Howland, Director for Colorado; Neal Payne, Director for Wyoming; Mike Lofland, Commercial Advisor-at-Large; (L to R, front row) Alex Heimbouch, Vice President; J. Kenneth Kennedy, President; Millard Moore, Secretary-Treasurer
February 3, 1976

Memorandum

To: Commissioner

From: Regional Director

Subject: "Headgate" Awards - Four-States Irrigation Council - Silver Anniversary Meeting - January 15-16, 1976 - Denver, Colorado

As discussed with you last week, I am furnishing you with information concerning the Four-States Irrigation Council's "Headgate" Awards that were presented at the Council's 25th Anniversary Meeting.

The regular "Headgate" Award is presented each year to one person from each of the four states represented by the Four-States Irrigation Council. The recipients of the 1976 meeting were:

- Frank Milenski - Colorado
- Keith S. Krause - Kansas
- G. E. Exley - Nebraska
- Earl Michael - Wyoming

This award has been presented annually since 1957.

This year, the Council unanimously decided to present you with a special "Headgate" Award for your overall service, as Commissioner of the Bureau of Reclamation, to irrigation in the four-state area.

For your use and information, I am including this year's meeting program and banquet program. The banquet program contains photographs and short biographical sketches of those presented with the regular annual award this year. The inside front cover of the banquet program explains the purpose of the award. The inside front cover of the meeting program contains a list of those persons presented with the award since its inception.
We are also enclosing a photograph of your award presentation. In addition, we have available group and single photographs of this year's recipients of the regular "Headgate" Awards.

If you would like any additional information or photographs, please let me know.

Enclosures

Garland - Please call me.
October 28, 1975

Hon. Gilbert Stamm, Commissioner
United States Bureau of Reclamation
U. S. Department of Interior
Washington, D. C. 20025

Dear Gil:

The Four States Irrigation Council with which you are familiar is having its silver anniversary meeting on January 15 and 16, 1976, at the Executive Tower Inn in Denver. As the current President of the Council, I am exercising one of my prerogatives in writing this invitation to you.

We would be most pleased and honored if you could participate in the meeting and be our principal speaker. We would, of course, set our program schedule to accommodate any time most convenient to you, but our preference would be to have you speak at our luncheon on the 15th. Traditionally we have an awards banquet on the evening of the first day for presentation of a "Headgate Award" to one outstanding person from each of the four states. If the evening would be a more convenient time for you, we could schedule you as our banquet speaker.

Either way, your presence for all or any part of the council proceedings would make the silver anniversary meeting a very special affair. We look forward to receiving your acceptance of this invitation. In anticipation of that acceptance, I want to personally and in behalf of the other officers, directors, and members of the Council assure you of our deep appreciation.

A word from you to either Joe Hall or myself will start the ball rolling toward completion of our program.

Yours very truly,

Secretary-Manager

EFP: jm

CC: Joe D. Hall
FOUR STATES
IRRIGATION COUNCIL
PROGRAM
25th Annual Meeting
JAN. 15 & 16, 1976
EXECUTIVE TOWER INN
DENVER, COLORADO
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FOUR-STATES IRRIGATION COUNCIL PROGRAM
SESSIONS IN THE FORUM ROOM

January 15, 1976

Morning Session

CALL TO ORDER AND WELCOME

8:15-8:25  Earl Phipps - Four States Irrigation Council President
8:25-8:35  Doyle Leonard - Commercial Advisor at Large
8:35-8:45  Joe D. Hall - Advisor at Large

FINANCIAL ALTERNATIVES FOR WATER USER ORGANIZATIONS

SESSION CHAIRMAN - Millard Moore, Kansas Director

8:45-9:00  "Small Project Loans, Rehabilitation and Betterment Program and Emergency Funding" - J. Willis Ervin, Regional Supervisor of Water and Land Operations USBR

9:00-9:30  Coffee Break

9:30-10:00  "Small Project Loan - Application for and Implementation" Harlan Seaworth, President, North Poudre Irrigation Company

10:00-10:30  "Rehabilitation and Betterment" - Harold Anderson, Manager, Uncompahgre Valley Water Users Association

10:30-11:00  "A Cooperative Effort on Critical Repairs" - Tom Bowman, Manager, Pathfinder Irrigation District

11:00-11:30  "Supervisory Control of Reservoirs" - Bob Prouty, Chief of Water and Land Operations Division, Kansas River Projects

11:30-1:00  Luncheon - Earl Phipps Presiding

SILVER ANNIVERSARY SPEAKER - GILBERT STAMM - COMMISSIONER - USBR
January 15, 1976

Afternoon Session

OPERATION AND MAINTENANCE

SESSION CHAIRMAN - Bill Klapwyk, Colorado Director

1:00-1:30  "Review of Maintenance Activities of Bureau of Reclamation" - Larry Dozier, Water Operations - USBR

1:30-2:30  Workshops

I.  "Water Measurement and System Efficiency" - Jack Schuster, Hydraulics Branch - USBR - E&R Center

II.  "Weed Control" - Jack Penner of Magna Corporation and Dean Schachterle, Chief, Land Management and Recreation Branch - USBR

2:30-3:00  Coffee Break

3:00-4:00  Workshops

I.  "Small District Problems with Equipment for Canal Prism Maintenance" - Robert Schamel, Manager, Cedar Bluff Irrigation District

II.  "Protective Coatings for Metal" - Jack Kiewitt, Head, Materials Science Section, Engineering and Research Center - USBR

4:00-4:45  Panel - "Canal Linings - Types Construction and Maintenance" Robert Ferrese, Canal Structures & Bridges, USBR - E&R Center, Rod Cox - Central Nebraska Public Power & Irrigation District

6:30-7:30  Social Hour

7:30  Awards Banquet - Presentation of Headgate Awards
January 16, 1976

DISTRICT MANAGEMENT

SESSION CHAIRMAN - Leroy Pieper, Nebraska Director

8:00-8:45  "Ground-water Depletion of Reservoir Inflows" - Robert Kutz, Project Manager, Kansas River Projects

8:45-9:15  Coffee

9:15-10:00  "Past, Present and Future in the Kansas High Plains" - Jim Power, Kansas Water Resources Board

10:00-10:20  "The Use and Installation of Multi-plate for Bridge Replacement" - Sid Wilke, Manager Highway Products Div. of Big R of Greeley

10:25-10:45  "The Use of Canal Water through Center Pivot Irrigation" - Glen Farmer, Gifford Hill & Co. Inc.

10:45-11:30  "Increasing Costs of District Operations - Staff and Equipment" - Dick Dirmeyer, General Manager, Central Nebraska Public Power and Irrigation District

11:30-12:00  State Meetings

12:00  Business Luncheon
        Election of Officers

1:00  Board Meeting

1:00-4:00  Individual Conferences by Arrangement
Officers

Earl Phipps, PRESIDENT
Loveland, Colorado
Alex Heimbouch, VICE PRESIDENT
Gering, Nebraska
Kenneth Kennedy, SECRETARY-TREAS.
Wheatland, Wyoming

Directors

Bill Klapwyk
Grand Junction, Colorado
Millard Moore
Hays, Kansas
Leroy Pieper
Mitchell, Nebraska
Jack Miles
Alcova, Wyoming

ADVISOR - AT - LARGE
Joe D. Hall

COMMERCIAL ADVISOR - AT - LARGE
Doyle R. Leonard