WESTERN
ASSOCIATION OF STATE GAME
& FISH COMMISSIONERS

1922
1973

GAME GUARDIANS TO
CONFER IN SALT LAKE

Seven States Will Undertake to Evolve Plans for
Cooperative Work Here.

State fish and game commissioners of
the western states are about to
assemble in Salt Lake City for the
annual meeting of the Western
Association of State Fish and Game
Commissioners. The conference is
scheduled to begin Monday.

There are a number of things I want
to bring up at this conference. My
chief reason for attending is to
contribute to the discussions on
issues that concern the future of
our natural resources. These issues
touch the very fabric of our
society, and I believe that we
must work together to ensure
that our wildlife and natural
resources are protected and
preserved.

In essence, the conference is a
forum where we can exchange
ideas, share best practices, and
make recommendations that will
help to shape our future.

I am particularly interested in
the challenges posed by
climate change and its
implications for our wildlife
habitats. As we face the
effects of global warming,
we must be proactive in our
approach to conservation.

Thank you for the opportunity to
contribute to this important
conference. Let us work together
to ensure a sustainable future
for our natural resources.
53rd Annual Conference
WESTERN ASSOCIATION OF STATE
GAME AND FISH COMMISSIONERS

and

WESTERN DIVISION
AMERICAN FISHERIES SOCIETY

Theme:
"Fitting Wildlife Into The Land
Use Planning Jigsaw"

Salt Lake City, Utah
July 11-13, 1973
Welcome:

On behalf of my fellow Utahns, I extend greetings to the membership of the Western Association of State Game and Fish Commissioners. We wish you a successful convention.

We are extremely proud of the fact that your Association had its beginning here in Salt Lake City in 1921, and we are proud of David H. Madson, founder of the Association.

Utah is blessed with an abundance of wildlife; however, we recognize that if these resources are to effectively serve the people, and if we are to maintain the delicate balance between man and his environment, our wildlife must be properly protected and managed.

We are delighted to have the opportunity to be the host to this conference of the West's leading experts in the area of managing our wildlife resources.

Respectfully,

[Signature]
Governor

Welcome:

It is my pleasure as host for the 1973 Western Conference, to welcome you to beautiful Salt Lake City.

We are extremely proud of our scenic state and its heritage and hope you have time to visit some of our spectacular country, from the high mountain wilderness areas to the great red canyons; from cascading waterfalls to the expansive Great Salt Lake Desert; there is something here for everyone. Hikers, rock hounds, fishermen, hunters, skiers and history lovers—all are at home in the Beehive State.

If any of us in the Division of Wildlife Resources, or the Board members, can be of assistance in anyway, please let us know.

Sincerely,

[Signature]
John E. Phelps
Director
HISTORY

The Western Association of State Game and Fish Commissioners was founded in 1922 at Salt Lake City, Utah, by David H. Madsen, who at that time was commissioner (director) of the Utah Fish and Game Department.

Attempts to organize a Western association were instigated as early as 1918 by Mr. Madsen’s predecessor, R. H. Siddoway.

Even before the Armistice of World War I was signed, Mr. Siddoway invited the fish and game administrators of Arizona, Colorado, Wyoming, Montana, Idaho and Nevada to meet with him at Salt Lake City for the purpose of discussing matters of common interest and forming an organization, but an influenza epidemic prevented the meeting.

Another meeting was scheduled by Mr. Siddoway for February 1920, and again a flu epidemic interfered. Nothing further was attempted until November of 1921 when David Madsen, having succeeded Commissioner Siddoway in office, proposed that the Commissioners from the western states should meet in Salt Lake City on January 16 and 17, 1922.

The inspiration for Mr. Madsen’s interest was the severe outbreak of duck sickness that occurred on Utah’s marshes about the time he took office in 1921. He realized that the duck sickness situation was so critical that something had to be done about it.

His first step was to go to New York to attend the American Game Protective Association conference and acquaint its members with the tragic situation. Although quite ill, Mr. Madsen left his sick bed to present his prepared paper describing the terrible loss of ducks at Bear River marshes.

Impatient for results, he took a cue from Commissioner Siddoway and began corresponding with the executive officers of the fish and game departments of the ten other western states. Meeting with friendly, cooperative response, Mr. David H. Madsen determined to form an association of the western states to initiate action and to bring pressure to bear whenever and wherever needed to help solve western problems of mutual interest.

In his 1921-22 biennial report to Governor Charles R. Maclay, Madsen wrote:

... It was thought advisable to have an organization of fish and game commissioners from the several states of the West whose problems are similar. . . .

The Commissioners of ten western states were invited to Salt Lake City last January and an organization effected known as the Western Association of State Fish and Game Commissioners. The organization of this association, which means much to the future development of fish and game in the West, has resulted in much closer cooperation between the States, and a helpful exchange of ideas as to the best methods of protection and propagation. . . .

The seven states represented at the first conference of the Western were Arizona, Colorado, Montana, New Mexico, Oregon, Utah and Wyoming.

An article from the Salt Lake Tribune for January 15, 1922, is reproduced on the cover of this program. The article reads in part as follows:

State fish and game commissioners of seven western states will meet in conference here Monday and Tuesday for the purpose of effecting a permanent organization and for round table discussion of various phases of laws governing wildlife of these states. It is the first conference of its kind ever called, according to D. H. Madsen, Utah fish and game commissioner. Morning and afternoon sessions beginning at 10 o’clock and 2 o’clock are to be held in Mr. Madsen’s office at the state capitol.

Matters of interest to Utahns which are scheduled to come up for consideration are uniform nonresi-
dent licenses, trappers' licenses, federal versus state control of migratory birds, public shooting grounds, uniform system of tagging fur-bearing animals for shipment and cooperative plans for effective stocking of interstate waters.

Joe V. Prochaska, state fish and game commissioner of Arizona, arrived in Salt Lake yesterday from Phoenix, and is a guest at the Hotel Utah.

"There are a number of things I want to bring up at this conference," Mr. Prochaska said. "I have very decided ideas concerning, among other things, predatory animals and the issuance of nonresident licenses. In Arizona I am in favor of letting residents of neighboring states hunt without paying large license fees."

This year's conference marks the seventh time that the annual meeting has been held in Salt Lake City (1922, 1932, 1941, 1944, 1948, 1950, and 1973).

When the organization was formed in 1922 its name was established as the WESTERN ASSOCIATION OF STATE FISH AND GAME COMMISSIONERS. Following that first meeting, A. E. Burghdoff of Oregon was appointed a committee of one to draft the by-laws for the association. These first by-laws gave the official name of the association as the WESTERN ASSOCIATION OF STATE GAME COMMISSIONERS. Sometime between 1928 and 1938 the name was again changed to its present form — WESTERN ASSOCIATION OF STATE GAME AND FISH COMMISSIONERS.

The cover art work of this program is by Roy Olsen and the portrait of David H. Madsen was drawn by Edwin V. Rawley.

WESTERN ASSOCIATION OF STATE GAME AND FISH COMMISSIONERS

OFFICERS
John E. Phelps, President
Utah
Ladd S. Gordon, 1st Vice President — New Mexico
Carl N. Crouse, 2nd Vice President — Washington
Joseph C. Greenley, 3rd Vice President — Idaho
Robert L. Soter, Secretary

CONFERENCE PROGRAM COMMITTEE
John E. Phelps, Chairman
Donald Andriano
Thegis W. Box
John Douglas
Alton V. Frazier
Vernon O. Hamre
Norman V. Hancock
John E. Nagel
Edwin V. Rawley
Donald A. Smith

CONFERENCE ARRANGEMENTS COMMITTEE
General Chairman
Edwin V. Rawley
Program and Printing
Angie Splittgerber, Chairman
Ladies Social Committee
William H. Tate, Chairman
Transportation
T. Dean Spackman, Chairman
Exhibits and Displays
Douglas F. Day, Chairman
Welcoming
Don Andriano & Norman V. Hancock, Co-Chairmen

Publicity
Don S. Paul, Chairman

UTAH WILDLIFE BOARD
Dr. Paul Stringham, Chairman
Leslie J. Anderson
Roy L. Young
Lewis C. Smith
Leland S. Swaner
PRE-COMMUNITY MEETINGS

Tuesday, July 10, 1973

COMMITTEE MEETINGS
9:00 a.m. River Basins Symposium  Junior Ballroom
9:00 a.m. Nonresident Study Committee
11:00 a.m. Executive Committee  President's Room
1:00 p.m. Nominating, Time and Place Committee
1:00 p.m. Audit Committee  Room 232
1:00 p.m. Legislative Committee  Room 233
1:00 p.m. Public Lands and Off-Road Vehicle Committees  Room C-39
1:00 p.m. Taxidermy Committee  Room 240
1:00 p.m. B.L.M. Fence Standards Committee  Empire Room
1:30 p.m. Standard Stream Survey Committee  Mission Room
2:00 p.m. Resolutions Committee  Pioneer Room
2:00 p.m. Awards Committee  Room C-38
2:30 p.m. Coordination Committee  Room 241
3:00 p.m. Pacific Flyway Council  Empire Room
4:00 p.m. Conservation Education Committee  Pioneer Room

WILDLIFE BIOTELEMETRY MEETING
1:30-5:00 p.m.  Junior Ballroom
Co-Chairmen: Herbert Hagen, California Department of Fish & Game
Glen C. Christensen, Nevada Department of Fish & Game

Participants:
Ronald Smith — Arizona Game & Fish Department
Herbert Hagen — California Dept. of Fish & Game
Glen C. Christensen — Nevada Dept. of Fish & Game
Walt Snyder — New Mexico Dept. of Game & Fish
Dr. John Rayner — Oregon Game Commission
Donald Beale — Utah Division of Wildlife Resources
Dr. R. Hudson — Division of Animal Science — Faculty of Agriculture, U. of British Columbia

PROGRAM

Wednesday, July 11, 1973

GENERAL SESSION

Conference Theme: "Fitting Wildlife Into the Land Use Planning Jigsaw"
9:00 a.m.-12:00 noon  Lafayette Ballroom

Chairman: John E. Phelps, President, Western Association of State Game and Fish Commissioners, Salt Lake City, Utah

Roll Call and Introductions
Welcome to Utah: Honorable Calvin L. Rampton, Governor of Utah

WILDLIFE AND LAND USE PLANNING
Moderator: G. Ray Arnett, Director, California Department of Fish and Game

Thomas L. Kimball, Executive Vice President, National Wildlife Federation, Washington, D.C.
Jack Hooper, Oppenheimer Industries, Inc., Kansas City, Missouri
Colonel Frederick G. Rockwell, Jr., Department of the Army, Sacramento District, Corps of Engineers
L. P. Voigt, Secretary, Department of Natural Resources, Madison, Wisconsin
Wednesday, July 11, 1973

COMMISSIONERS AND DIRECTORS SESSION

The Commissioner and Proposed Legislation

Pioneer Room

1:30-4:45 p.m.
Moderator: Dr. Jay Childress, Monte Vista, Colorado
Discussion Leader: Glenn Galbraith, Wellpinit, Wash.

1:30-2:00—The Commissioner's Role in Influencing Proposed Legislation in the Arizona Legislature.
   Senator James A. Mack, Phoenix, Arizona

2:00-2:30—The Commissioner's Role in Influencing Proposed Legislation in the Utah Legislature.
   Senator Hughes W. Brockbank, Salt Lake City, Utah

2:30-3:00—How the California Commission Deals With Proposed Legislation.
   Peter T. Fletcher, California Fish and Game Commission

3:00-3:15—BREAK

   R. Withers Cool, Colorado Wildlife Commission

   Edward Munoz, New Mexico Game Commission

   Robert L. McDonald, Nevada Board of Fish and Game Commissioners

Big Game

Chairman: Robert U. Mace, Chief, Game Division, Oregon Game Commission

1:30-2:00—Zoning Efforts Save An Important Elk Calving Area.
   Joseph Gerrans, Colorado Division of Wildlife

2:00-2:30—Elk Behavior in Relation to Multiple Uses on the Medicine Bow National Forest
   A. Lorin Ward, Rocky Mt. Forest & Range Experiment Station, Laramie, Wyoming

2:30-3:00—Physical Condition Indices of Mule Deer and a Corresponding Weather Stress Index in Northern Colorado
   Laren A. Roper, James Lipscomb and R. Bruce Gill, Colorado Division of Wildlife

3:00-3:15—BREAK

3:15-3:45—Ecology of the Fall River Moose Herd
   Brent W. Ritchie, Idaho Fish and Game Department

3:45-4:15—Push Button Deer Management: Boon or Boondoggle?
   Dr. Jack Gross, U.S. Bureau of Sport Fisheries & Wildlife, Colorado Coop. Wildlife Research Unit

4:15-4:45—The Impact of Severe Winter and Fences on Antelope Mortality in South Central Wyoming.
   Phillip Riddle & Charles Oakley, Wyoming Game and Fish Commission
Wednesday, July 11, 1973

WILDLIFE SESSION II

Upland Game
Junior Ballroom
1:30-4:45 p.m.  Pheasant Habitat Deterioration Trends—Can they be Reversed?

Panel Moderator: Glen C. Christensen, Chief, Division of Game, Nevada Department of Fish and Game

Panel Members:
David Brown — Arizona Game & Fish Department
Harold T. Harper — California Department of Fish & Game
Warren D. Snyder — Colorado Division of Wildlife
Richard Neell — Idaho Fish & Game Department
John Wiepand — Montana Fish & Game Department
Glen C. Christensen — Nevada Department of Fish & Game
Walter A. Snyder — New Mexico Department of Fish & Game
Robert D. Mace — Oregon State Game Commission
Darrell Nish — Utah Division of Wildlife Resources
Gerry Garrison — Washington Department of Game
Rex M. Corsi — Wyoming Game & Fish Commission

Wednesday, July 11, 1973

INFORMAL MEETING OF ENGINEERING PERSONNEL

1:30 p.m.
Room C-39

Chairman: Glyn E. Steiner, Chief Engineer, Washington Department of Game

Wednesday, July 11, 1973

FISHERIES SESSION I

Advances in Striped Bass Culture & Stocking Results
Empire Room
1:30-4:15 p.m.
Chairman: Jack L. Harper, Oklahoma Department of Wildlife Conservation, Caddo, Oklahoma

1:30-2:00 — Inland Striped Bass
Bob Stevens, Marine Protein Corp., Miami, Florida

2:00-2:30 — A Device for Continuous Egg Sampling in Lotic Waters
Don Baker, North Carolina Wildlife Resources Commission, Raleigh, North Carolina

2:30-3:00 — Culture of Striped Bass in Raceways Under Controlled Conditions
Larry C. Nicholson, Gulf Coast Research Laboratory, Ocean Springs, Mississippi

3:00-3:15 — BREAK

3:15-3:45 — Oklahoma’s Striped Bass Production
Jack L. Harper, Oklahoma Department of Wildlife Conservation, Caddo, Oklahoma

3:45-4:15 — Acute Toxicity of Thirty Chemicals to Striped Bass
Janice S. Hughes, Louisiana Wildlife and Fisheries Commission, Monroe, Louisiana
Wednesday, July 11, 1973

FISHERIES SESSION II

Pesticides and Fish — Where Are We? Mission Room
1:30-4:45 p.m.
Chairman: Clarence Cottam, Welden Wildlife Foundation, Sinton, Texas
1:30-2:00—PCB's, Mercury and Heavy Metals in Relation to Fish and Aquatic Life
Don Buhler, Oregon State University, Corvallis, Oregon
2:00-2:30—Status of Herbicides and Their Relation to Fisheries and the Environment
2:30-3:00—Air Pollution and the Effects on People and Wildlife
Robert Pendleton, University of Utah, Salt Lake City, Utah
3:00-3:15—BREAK
3:15-3:45—Organophosphates and Carbonates and Their Relation to Fisheries and Aquatic Life
John Eaton, Water Quality Laboratory, Duluth, Minnesota.
3:45-4:15—Effects of Persistent Pesticides on Wildlife and Fisheries
Charles Loveless, Bureau of Sport Fisheries & Wildlife, Washington, D.C.
4:15-4:45—Effects on Fish and Wildlife of Newer Pesticides and Other Pollutants
William Stickle, Patuxent Wildlife Research Center, Laurel, Maryland

Wednesday, July 11, 1973

LAW ENFORCEMENT SESSION

1:30-4:45 p.m. President's Room
Chairman: Walter S. Hershey, Captain, Game Division, Department of State Police, Salem, Oregon
1:30-2:00—The Wildlife Officer's Role in Recreational Access to Private Land
Erwin J. Kent, Assistant Administrator, Montana Department of Fish & Game
2:00-2:30—An Evaluation of Public Compliance With Wildlife Regulations
Donald F. Stork, Patrol Inspector, and Frederick Walgenbach, Senior Resources Economist, California Department of Fish & Game
2:30-3:30—Nongame Species — How Do They Affect the Conservation Officer?
W. F. Kremer, Assistant Chief, Wildlife Management Division, Washington Department of Game
3:00-3:15—BREAK
3:15-4:45—Panel Discussion — "Training the Wildlife Enforcement Officer"
Discussion Leader: John E. Nagel, Chief, Law Enforcement, Utah Division of Wildlife Resources
Wednesday, July 11, 1973

INFORMATION AND EDUCATION SESSION

1:30-4:45 p.m. Room C-38
Chairman: Alton V. Frazier, Chief, Information and Education, Utah Division of Wildlife Resources

1:30-2:00—Video Tape Application in Wildlife
Keith M. Thomas, Sales Engineer, Telemation Sales, Inc., Salt Lake City, Utah

2:00-3:00—Preparation and Selection of Public Service Messages
Berrie L. Williams, Station Manager, KALL Radio, and Lamey Smith, Program Director, KUTV, Salt Lake City, Utah

3:00-3:15—BREAK

3:15-3:45—Interstate I & E Programs
E. Charles Fullerton, Deputy Director, California Department of Fish and Game

3:45-4:15—Impact and Survival of an Environmental Newspaper
Thomas A. Bell, Editor, High Country News, Lander, Wyoming

4:15-4:45—Remote Broadcasting of Wildlife Messages
Stephen C. Phillips, Production Engineer, INFO Systems, Inc., Bozeman, Montana

Thursday, July 12, 1973

GENERAL SESSION

9:00 a.m.-12:00 noon Lafayette Ballroom
Chairman: Robert A. Jantzen, Director, Arizona Game and Fish Department

Fitting Wildlife Into The Forest Service Land Use Planning Program
John R. McGuire, Chief, Forest Service, United States Department of Agriculture

Fitting Wildlife Into The BLM Land Use Planning Program
Burton W. Silcock, Director, Bureau of Land Management, United States Department of the Interior

The University’s Role In Land Use Planning
Dr. Thadis W. Box, Dean, College of Natural Resources, Utah State University

Space and Man’s Environment
Dr. James C. Fletcher, Administrator, National Aeronautics and Space Administration
Thursday, July 12, 1973

COMMISSIONERS & DIRECTORS SESSION

The Commissioner’s Role
1:30-3:00 p.m.
Moderator: H. Jack Alvord, Idaho Fish and Game Commission
Discussion Leader: Wayne E. Kirch, Nevada Board of Fish and Game Commissioners
1:30-2:00—A Commissioner’s Responsibility to His Constituents
   Allan L. Kelly, Oregon Game Commission
2:00-2:30—A Commissioner’s Viewpoint on How a Department can Improve Its Public Image
   James Castberg, Wyoming Game and Fish Commission
2:30-3:00—What Segment of the Population should a Commissioner Represent?
   Milton G. Evans, Arizona Game and Fish Commission
3:00-3:15—BREAK

Workshop Committee Reports
3:15-4:55 p.m.
Moderator: Leslie Pengelly, Montana Fish and Game Commission
3:15-3:40—Mule Deer Workshop
   John P. Russo, Chief, Game Management, Arizona Game and Fish Department
3:40-4:05—Elk Workshop
   Eugene O. Allen, Montana Department of Fish and Game
4:05-4:30—Antelope Workshop
   H. O. Compton, Montana Department of Fish and Game
4:30-4:55—Sage Grouse Workshop
   Duane Pyrah, Montana Department of Fish and Game

Thursday, July 12, 1973

WILDLIFE SESSION I

Big Game
1:30-4:45 p.m. Mule Deer Hunter and Harvest Trends Since 1962
Panel Moderator: Wayne W. Sandfort, Game Manager, Colorado Division of Wildlife
Panel Members:
   John P. Russo — Arizona Game & Fish Department
   Wallace McGregor — California Department of Fish & Game
   Gary Meyers — Colorado Division of Wildlife
   Errol Nielson — Idaho Fish & Game Department
   Wynn G. Freeman — Montana Fish & Game Department
   George Tsukamoto — Nevada Department of Fish & Game
   Walter A. Snyder — New Mexico Department of Fish & Game
   Paul Ebert — Oregon State Game Commission
   Rodney T. John — Utah Division of Wildlife Resources
   Lowell Parsons — Washington Department of Game
   Rex M. Corsi — Wyoming Game & Fish Commission
Thursday, July 12, 1973

WILDLIFE SESSION II

Small Game
President's Room

1:30-4:15 p.m.
Chairman: Roger M. Williams, Chief, Game Division, Idaho Fish & Game Department

1:30-2:00—The Loss and Deterioration of Riparian Communities and Their Effects on Wildlife with Particular Emphasis on the White Wing Dove
   David Brown, Arizona Game & Fish Department

2:00-2:30—Duck Viral Enteritis
   Dr. Milton Friend, U.S. Bureau of Sport Fisheries & Wildlife, Denver, Colorado

2:30-3:00—Pheasant Losses from Mowing Alfalfa
   Donald Galbreath, Washington Department of Game

3:00-3:15—BREAK

3:15-3:45—Distribution and Habitats of Band-tailed Pigeons in Colorado
   Dr. Clair E. Braun, Colorado Division of Wildlife

3:45-4:15—The Parker Mountain Sage Grouse Study
   Joseph Jarvis, Bureau of Land Management, Cedar City, Utah

Thursday, July 12, 1973

WILDLIFE SESSION III

Nongame
Room C-38

1:30-4:45 p.m.
Chairman: Eldridge G. Hunt, Chief, Wildlife Management Branch, California Department of Fish & Game

1:30-2:00—The State's Role in Nongame Management
   Howard Leach, California Department of Fish & Game

2:00-2:30—The Bureau of Sport Fisheries and Wildlife Endangered Species Program
   Keith M. Schreiner, U.S. Bureau of Sport Fisheries & Wildlife, Washington, D.C.

2:30-3:00—The Audubon Society Views the State's Role in Rare and Endangered Species and Nongame Wildlife Management
   Eugene Knocher, National Audubon Society, Denver, Colorado

3:00-3:15—BREAK

3:15-3:45—The Chaotic Coyote Controversy: A Challenge Joined
   Dr. Frederick F. Knowlton, U.S. Bureau of Sport Fisheries & Wildlife, Logan, Utah

3:45-4:15—Distribution and Status of the Rocky Mountain Greater Sandhill Crane
   Roderick Drewien, Idaho Cooperative Wildlife Research Unit, University of Idaho, Moscow, Idaho

4:15-4:45—Nesting Density of the Prairie Falcon in Idaho
   Verland T. Ogden, Idaho Cooperative Wildlife Research Unit, University of Idaho, Moscow, Idaho
Thursday, July 12, 1973
FISHERIES SESSION I

Fish and Wildlife Plans — Their Design and Difficulties  Mission Room
1:00-2:00 p.m.
Chairman: Monte Richards, Idaho Fish and Game Department, Boise, Idaho

1:00-1:30—Oregon Fish & Wildlife Plan
Bob Stein, Oregon Game Commission, Portland, Oregon

1:30-2:00—California Fish & Wildlife Plan of 1966 — Its Success and Shortcomings
James B. Stokes, Environmental Consultant, Jones and Stokes, Inc., Sacramento, California

Friday, July 13, 1973
WESTERN ASSOCIATION OF STATE GAME AND FISH COMMISSIONERS

Business Session Lafayette Ballroom
9:00 a.m.-12:00 noon
Chairman: John E. Phelps, President, Western Association of State Game and Fish Commissioners, Salt Lake City, Utah.
Friday, July 13, 1973

FISHERIES SESSION I

River Management and Problems of Gas Bubble Disease
Empire Room

9:00-12:00 noon

Chairman: Bill Rees, Washington Department of Fisheries, Olympia, Washington

9:00-9:30—Mode of Discharge and Saturation Levels Below Two Colorado Reservoirs
Ron Garton, Environmental Protection Agency, Corvallis, Oregon

9:30-10:00—Saturation Effects on Adult Salmonids
Gerry Buuck, Environmental Protection Agency, Corvallis, Oregon

10:00-10:30—Saturation Effects on Juvenile Salmonids
Wes Ebel, National Marine Fisheries Service, Seattle, Washington

10:30-10:45—BREAK

10:45-11:15—Saturation Problems at Libby Dam
Art Whitney, Montana Fish and Game Department, Helena, Montana

11:15-12:00—Nitrogen Saturation Remedies
Ed Mains, U.S. Army Corps of Engineers, Portland, Oregon

Friday, July 13, 1973

FISHERIES SESSION II

The Natural Stream Concept Versus Exploitation
Mission Room

9:00-12:00 noon

Chairman: Joe Stone, Arizona Game and Fish Department, Phoenix, Arizona

9:00-9:30—How Stream Channel Alteration Affects Fisheries Values
Richard Balles, Bureau of Sport Fisheries and Wildlife, Lander, Wyoming

9:30-10:00—Evaluation of Various Flow Regimes to Determine Instream Requirements of Fish
Al Eiser, Montana Fish and Game Department, Miles City, Montana

10:00-10:30—What Makes the Snake River in Hells Canyon a River?
Charles Koski, National Marine Fisheries Service, Portland, Oregon

10:30-10:45—BREAK

10:45-11:15—Montana's Stream Preservation Law
Ralph Boland, Montana Fish and Game Department, Helena, Montana

11:15-12:00—How Land Use Planning Affects the Fishery Resource
William Platts, United States Forest Service, Boise, Idaho
## SCHEDULE OF MEETINGS AND EVENTS

**WESTERN ASSOCIATION OF STATE GAME AND FISH COMMISSIONERS**  
**HOTEL UTAH**

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<tr>
<td>JADE ROOM</td>
<td>Registration and Information 1:00 p.m. - 5:00 p.m.</td>
<td>Registration and Information 8:00 a.m. - 5:00 p.m.</td>
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<td>GOLD ROOM</td>
<td>Ladies Hospitality Room 1:00 p.m. - 5:00 p.m.</td>
<td>Ladies Hospitality Room 9:00 a.m. - 5:00 p.m.</td>
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<td>Ladies Hospitality Room 9:00 a.m. - 1:00 p.m.</td>
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<td>ROOM C-43</td>
<td>Conference HQ &amp; Press Room 10:00 a.m. - 7:00 p.m.</td>
<td>Conference HQ &amp; Press Room 9:00 a.m. - 5:00 p.m.</td>
<td>Conference HQ &amp; Press Room 8:00 a.m. - 5:30 p.m.</td>
<td>Conference HQ &amp; Press Room 8:00 a.m. - 1:00 p.m.</td>
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<td>MEZZANINE</td>
<td>Exhibits 1:00 p.m. - 7:00 p.m.</td>
<td>Exhibits 8:00 a.m. - 6:00 p.m.</td>
<td>Exhibits 8:00 a.m. - 5:30 p.m.</td>
<td>Exhibits 8:00 a.m. - 1:00 p.m.</td>
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<td>LAFAYETTE BALLROOM</td>
<td>WASGFC General Session 9:00 a.m. - Noon</td>
<td>WASGFC General Session 9:00 a.m. - Noon</td>
<td>WASGFC General Session 9:00 a.m. - Noon</td>
<td>WASGFC Business Session 9:00 a.m. - Noon</td>
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<td>JUNIOR BALLROOM</td>
<td>River Basins Symposium 9:00 a.m.</td>
<td>Upland Game Session 1:30 p.m. - 5:00 p.m.</td>
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<td>EMPIRE ROOM</td>
<td>B.L.M. Fence Standards 1:00 p.m. - 3:00 p.m.</td>
<td>Fisheries Session I 1:30 p.m. - 5:00 p.m.</td>
<td>Social Hour 6:00 p.m.</td>
<td>Fisheries Session I 9:00 a.m. - Noon</td>
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**PIONEER ROOM**
- Joint Meeting of Nonresident Study Committee 7:00 a.m.
- Committee of Legislation 7:00 a.m.
- Committee of Education Committee 8:00 a.m.
- Committee of Fish and Game Education 8:30 a.m.
- Committee of Fish and Game Education 9:00 a.m.
- Committee of Fish and Game Education 9:30 a.m.
- Committee of Fish and Game Education 10:00 a.m.
- Committee of Fish and Game Education 10:30 a.m.
- Committee of Fish and Game Education 11:00 a.m.
- Committee of Fish and Game Education 11:30 a.m.
- Committee of Fish and Game Education 12:00 p.m.
- Committee of Fish and Game Education 12:30 p.m.
- Committee of Fish and Game Education 1:00 p.m.
- Committee of Fish and Game Education 1:30 p.m.
- Committee of Fish and Game Education 2:00 p.m.
- Committee of Fish and Game Education 2:30 p.m.
- Committee of Fish and Game Education 3:00 p.m.
- Committee of Fish and Game Education 3:30 p.m.
- Committee of Fish and Game Education 4:00 p.m.
- Committee of Fish and Game Education 4:30 p.m.
- Committee of Fish and Game Education 5:00 p.m.

**PRESIDENT'S ROOM**
- Joint Meeting of President's Committee 7:00 a.m.
- Joint Meeting of President's Committee 7:30 a.m.
- Joint Meeting of President's Committee 8:00 a.m.
- Joint Meeting of President's Committee 8:30 a.m.
- Joint Meeting of President's Committee 9:00 a.m.
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- Joint Meeting of President's Committee 4:30 p.m.
- Joint Meeting of President's Committee 5:00 p.m.

**MISSION ROOM**
- Joint Meeting of Mission Committee 7:00 a.m.
- Joint Meeting of Mission Committee 7:30 a.m.
- Joint Meeting of Mission Committee 8:00 a.m.
- Joint Meeting of Mission Committee 8:30 a.m.
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- Joint Meeting of Mission Committee 5:00 p.m.

**ROOM C-43**
- Joint Meeting of Room C-43 7:00 a.m.
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- Joint Meeting of Room C-43 5:00 p.m.

**ROOM 231**
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- Joint Meeting of Room 231 4:30 p.m.
- Joint Meeting of Room 231 5:00 p.m.

**SECTION "A" MOTOR LODGE**
- Joint Meeting of Section "A" 7:00 a.m.
- Joint Meeting of Section "A" 7:30 a.m.
- Joint Meeting of Section "A" 8:00 a.m.
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- Joint Meeting of Section "A" 4:00 p.m.
- Joint Meeting of Section "A" 4:30 p.m.
- Joint Meeting of Section "A" 5:00 p.m.
SOCIAL EVENTS

Ladies Activities

Wednesday, July 11, 1973, 9:30 a.m.
Temple Square Tour and Lion House Luncheon

Wednesday, July 11, 1973, 4:00 p.m.
Ladies Cocktail Hour, Suite 10-C, Hotel Utah

Thursday, July 12, 1973, 9:00 a.m.
Welfare Square, City, Log Haven Luncheon and Trolley Square

Group Activities

Wednesday, July 11, 1973, 6:00 p.m.
Bridal Veil Falls, Heber Creeper Locomotive with free bar, supper and entertainment

Thursday, July 12, 1973, 6:00 p.m.
Social Hour, Banquet and Mormon Tabernacle Choir

Luncheons

Wednesday, July 11, 1973, 12:00 Noon
Western AFS Executive Committee Luncheon, Skyroom, Hotel Utah
WESTERN ASSOCIATION OF STATE GAME AND FISH COMMISSIONERS COMMITTEES

Executive Committee
Ladd S. Gordon, Chairman
New Mexico
Frank W. Groves, Nevada
Arthur S. Coffin, Washington
Robert L. Salter, Idaho
Leslie Pengelly, Montana
William W. Robinson, Colorado
G. Ray Arnett, California

Resolutions Committee
Joseph C. Greenlay, Chairman
Idaho
James W. Brooks, Alaska
Charles M. Crowell, Wyoming
Peter T. Fletcher, California
William S. Huey, New Mexico
Robert L. Evans, Colorado
James Hatter, British Columbia
Robert Stein, Oregon
Robert N. Thompson, Oregon
Kenji Ego, Hawaii
Thor C. Tollemache, Washington
Roy L. Young, Utah
Joseph Klabunde, Montana
Gordon Kerr, Alberta
Robert L. McDonald, Nevada
Relph. W. Larson, Washington
Robert J. Spillman, Arizona

Nominating, Time and Place Committee
Henry E. Davix, Chairman
Nevada
Harold A. Pebbles, Washington
Phil M. Cooper, Arizona

Audit Committee
Ladd S. Gordon, Chairman
New Mexico
Lee Menkin, Wyoming
Thomas J. Treloese, Nevada

Legislative Committee
Robert A. Jantzen, Chairman
Arizona
Paul C. Keaton, Idaho
James Harper, Oregon
Robert R. Elliott, Colorado
E. Charles Fullerton, California
Willis B. Jones, Montana
Ronald Andrews, Washington
Thomas E. Kruse, Oregon

Coordination Committee
G. Ray Arnett, Chairman
California
Roger Grueneweld, Arizona
Eva M. Soren, Wyoming
Gail S. Boyd, Colorado
Cliff J. Millenbach, Washington

Awards Committee
Carl N. Crouse, Chairman
Washington
Leslie F. Edgerton, California
Wayne E. Kirk, Nevada
James Hatter, British Columbia
H. Jack Alvord, Idaho

Public Lands Committee
James B. White, Chairman
Wyoming
Bob Hoover, Colorado
G. Ray Arnett, California
Bruce Marker, Wyoming
Albert W. Heggen, Utah
Joe Blum, Alaska
Milton G. Evans, Arizona
John W. McKean, Oregon
Keith Freeman, Montana

Nonresident Study Committee
Robert A. Jantzen, Chairman
Arizona
Arthur Hagenston, Montana
R. Withers Cool, Colorado
William B. Morse, Wildlife
John Eaton, Idaho
Management Institute
David M. Nelson, Wyoming
Norman V. Hancock, Utah
E. Charles Fullerton, California

Conservation Education Committee
Joseph C. Greenlay, Chairman
Idaho
E. Killess Brown, Idaho
Don Robinson, British Columbia
J. W. (Bill) Sier, Arizona
Peter T. Hannon, Colorado
Fred E. Wright, Nevada
R. C. Holloway, Oregon
George A. Kominski, Wyoming
A. V. Frazier, Utah
Wesley Woodard, Montana

Off-Road Vehicle Committee
James B. White, Chairman
Wyoming
Joe Blum, Alaska
John Nagel, Utah
Hawley Hill, Idaho
R. U. Mace, Oregon
Wynn Freeman, Montana
Steve Gallizzi, Arizona
Bob Hoover, Colorado
Leslie F. Edgerton, California

Taxidermy Committee
James W. Brooks, Chairman
Alaska
Eugene Daley, Arizona
Arnold Ried, Montana
Rex Corri, Wyoming
William G. Parsons, Nevada
EXHIBITORS

Crisafiilli Pump Company
Murray Elevators (Silver Cup)
Browning Arms Company
Heath-Techné
Frigid Units, Inc.
Edo Western
Forestry Suppliers, Inc.
Harris Thermal Transfer Products Inc.
U.S. Bureau of Reclamation
U.S. Forest Service
U.S. Bureau of Sport Fisheries and Wildlife
Utah Travel Council

CONTRIBUTORS

Albertson’s Incorporated
Browning
Clover Club Foods Company
I.M.L. Freight, Inc.
Moore-Clark Company
Mountain Bell
Mountain Fuel Supply Company
Safeway Stores, Incorporated
Seven-Up Bottling Company
Trans-West Air Service
United States Steel Corporation
Utah Power & Light Company
Final arrangements for the current Western Division meeting were discussed.

Participants:

Ralph Larson, President - Western Division
Bud Bassett, President-elect - Western Division
George Holton, Secretary-Treasurer - Western Division
Art Whitney, immediate past President - Western Division
John Douglas, Program Committee - Western Division
Bob Phillips, Nominating Committee - Western Division
Hank McKirdy, President Montana Chapter - Western Division
Al Mills, President Oregon Chapter - Western Division
Chuck Campbell, President American Fisheries Society
Dick Wade, Executive Secretary - AFS
Meeting was called to order by President Ralph Larson at 2:20 p.m. The first order of business was a panel, "How Western Chapters' Roles Can Be More Meaningful in Division Functions" (attachment 1 is a summary). During the discussions relating to the panel, Dr. Wade advised that the Parent Society Newsletter could include information from chapters. He also advised that to finance its newsletter the Northeastern Division is assessing each member $1.00 to be collected through the Parent Society. Doug Jester urged that student papers be integrated with other papers at meetings rather than being segregated into separate student sessions. He also suggested that if a division newspaper became a reality, it could be used to publish a call for papers at the annual division meeting.

Determination of a Quorum

There were 62 persons present and by a show of hands it was determined that sufficient Western Division members were present to constitute a quorum.

President's Address

President Larson stressed the importance of division and chapters pointing out that they are the backbone of the American Fisheries Society. Suggestions from the chapters are welcome. Many activities such as the seminars and workshops held by other divisions are difficult for the Western to implement due to the vast area encompassed by this division. He asked that chapters be more responsive to the requests from the division for information, resolutions, etc.

Informal Reports of National (AFS) Officials

Dick Wade, Executive Secretary AFS, recognized the presence of Chuck Campbell, President AFS; Ray Johnson, President-elect AFS; Gerald Bouck, Chairman AFS Certification Committee and Janice Hughes, Chairman AFS Nominating Committee. He congratulated the Western Division on being an active division and advised that the deletions from the AFS Newsletter of titles of papers given at chapter meetings was a matter of economy and not meant to demean the chapters. He pointed out that 15-25 percent of the coverage in the Newsletter has been on Western Division affairs. He, too, emphasized the need for chapters to give a better response to requests for information. He mentioned the overall gain in membership and stressed the importance of holding current members and restoring members who are delinquent or dropped out.

Chuck Campbell said he was glad to hear the discussions on the role of chapters and revitalizing the Western Division. He gave news of activities at the national level.
Secretary-Treasurer's Report

Since copies of the minutes from the last business session had been distributed, they were not read. It was moved and seconded that they be approved as written. Motion carried. A statement of income and expenditures was read (attachment 2).

Standard Stream Survey Committee Report (attachment 3)

Report prepared by Bob Borovicka, Committee Chairman. Bob made a motion, "The Standard Stream Survey Committee should be continued for the next year and subcommittees appointed by the chairman to accomplish items 1 through 5 (in report). A report on progress made will be submitted to the Western Division meeting in 1974." Seconded by John Peters. Motion carried.

Time and Place Committee Report

Committee Chairman, Wendell Smith, gave his usual inimitable invitation to next year's meeting place which will be Albuquerque, New Mexico.

Resolutions Committee Report

Bob Wiley, committee member, read and moved for adoption of three resolutions which follow:

Resolution 1  Wilderness Fish Stocking (attachment 4)

Seconded. Motion carried.

Resolution 2  Stream Alteration Programs (attachment 5)

Seconded. In connection with this resolution there was a discussion on the distribution of resolutions once they are passed. It was agreed by those present, including Dick Wade and Chuck Campbell, that the Western Division can distribute resolutions it passes without awaiting authorization from the Western Association of State Game and Fish Commissioners or the Parent Society. It was determined that, rather than have each resolution mention distribution to be made, it will be the responsibility of the President and Secretary-Treasurer to make this decision including determining which should be forwarded to the Resolutions Committee of the Parent Society. Following this discussion, Bob Phillips moved that resolution 2 be amended by deleting the paragraph which directed its distribution to the heads of various agencies. Seconded. Motion carried. Charles Koski moved that the word "mitigating" in the resolution be changed to "compensating." Seconded. Motion carried. The resolution with the two amendments was then voted upon. Motion carried.
Resolution 3  Establishment of Financial Assistance to the Divisions and Their Chapters (attachment 6)

Seconded. Fred Eiserman mentioned that financial rebates to the chapters from division or Parent Society had been discussed at the last meeting of the Wyoming-Colorado Chapter. It was decided that such funding was not necessary for present chapter activities. A request could be made when the need arose. Gerald Bouck pointed out that each member is now receiving over twice as much value in services as he is paying in dues; therefore, a rebate from the Parent Society would require an increase in dues. It was brought out during the discussion that dynamic division or chapter operations depended more on leadership than on funding. A vote was then taken. Motion failed.

Auditing Committee Report

President Ralph Larson read the report of the Auditing Committee prepared by Ben Pulliam, Chairman. The report stated that the accounts had been reviewed and found to be correct and in order. A motion was made and seconded that the audit committee report be accepted. Motion carried.

Membership Committee Report (attachment 7)

Report was read by Walter Burkhard, Committee Chairman.

Comments by President

President Larson thanked committee chairmen, division officers and members for their work and support during the year.

Nominating Committee Report (attachment 8)

Bob Phillips, Chairman, read the report. The Committee nominated for President-elect: William S. "Bill" Platts and Rollie F. Rousseau; for Secretary-Treasurer: Terry Holubetz. President Larson asked if there were any nominations from the floor. George Holton was nominated for President-elect but declined the nomination. There were no additional nominations for Secretary-Treasurer. Bob Phillips and Henry McKirdy were nominated from the floor for Western Division Representative to the National Nominating Committee. There were no further nominations, and nominations were closed. Short statements were read on the backgrounds of the two nominees for President-elect.

Election

Voting was by written ballot.
Other Business

While the votes were being counted, Fred Eiserman lead a discussion on the desirability of dialogue between agencies engaged in research on optimum flows for fish. He made a motion as follows: "The next President should establish a committee to develop a symposium or workshop session on acceptable flows for trout in controlled streams." Seconded; motion carried.

Election Results

The following officers were elected and installed:

Bud Bassett, President (elected President-elect last year)
Bill Platts, President-elect
Terry Holubetz, Secretary-Treasurer
Bob Phillips, Western Division Representative to National Nominating Committee

Plaque Presentation

Bud Bassett presented the past-President's plaque to outgoing President Ralph Larson.

New President's Acceptance Speech

President Bud Bassett gave a short acceptance speech in which he said he wanted to hear from chapters and members directly.

The meeting adjourned at 5:15 p.m.

George D. Holton
Outgoing Secretary-Treasurer
THE CHAPTER'S ROLE AND ITS RELATIONSHIP TO THE WESTERN DIVISION

The following is a compilation of the remarks from a panel discussion presented by three Chapter representatives - Walter Burkhart, Colorado; Ron Marcoux, Montana; and William Saltzman, Oregon. The discussion took place on the afternoon of Thursday, July 12, 1973, at the Business Session of the Western Division, American Fisheries Society meeting in Salt Lake City, Utah. The purpose of the panel discussion was to encourage participation by Chapter members into a more active role with the Western Division.

Before discussing the question of "How Western Chapter's Roles Can Be More Meaningful in Division Functions," we believe we should first answer the question "What is the Role of the Chapter?" The Chapter's roles and their relative importance are presented as follows:

1. To meet and exchange current information concerning our aquatic resources and to evaluate new sampling techniques. This role is vital to keeping abreast of new developments in the aquatic resources field.

2. To inform members on various activities which threaten to affect or are currently affecting our aquatic resources. Generally an on-site workshop serves to accomplish this.

3. Another role, which is becoming increasingly important, is supporting good local, state, and Federal legislation and commenting on other matters affecting aquatic resources.

4. Finally, the Chapter can serve to encourage membership and active participation not only in the local chapter, but in the Western Division and parent society.

"Involvement" must certainly be the key to better integration of Chapter activities with those of the Division. Past Presidents of the Western have sought greater involvement by obtaining Chapter input into the Division operations. For example:

1. Chapter Presidents have been asked to recommend names for appointments to committees of the Division and nominees for Division officers.

2. Each Chapter President is now automatically a member of the Executive Committee of the Division.

These activities appear to be successful and have encouraged Division participation.
Another way to encourage participation in the Division is to schedule meetings at the Division annual meeting of all committees. All committee chairmen should request in writing to the state administrators that Division committee members be allowed to attend. This would allow more people to attend and benefit from the meetings. It would also be desirable to have each individual chapter represented on each committee.

We recommend the Executive Board of the Western consider publishing a Division newsletter. The idea is not new and several Divisions already have newsletters. A newsletter would provide another avenue for an exchange of information among Chapters. For example, significant studies could be summarized, resolutions could be listed, job opportunities in the Chapter's area could be noted, activities and meeting dates might be summarized. The Division could inform the Chapters of resolutions passed and provide membership tallies. When we consider a potential of over 1,100 Western Division members and had 110 registered last year, it becomes obvious that the remainder should be informed. If we are serious about maintaining the Division, and we believe we are, we should encourage participation, and to encourage participation, we have to provide information. A Division newsletter could also further stimulate a flow of ideas vertically between Chapter-Division and National.

The Division could supply each Chapter secretary with the names and addresses of other Chapter officers. It could then be the Chapter's responsibility to notify all other Chapters of their activities including meeting notices and abstracts of papers. Although this could be handled through a Division newsletter, the direct correspondence between Chapters would probably be more effective.

Some Divisions have sponsored symposiums on problems common to a broad geographical area. The Southern Division on Reservoirs is one example - there are others. To our knowledge, the Western Division has not yet done this. Many of us are deeply concerned about the damage being inflicted on streams by poor road building practices. Other western states express similar concern. Sponsorship by the Western Division of a session on road construction and fish habitat (or other serious problems of regional concern) is something we believe should be considered, and we recommend this be implemented by the Western’s Executive Committee.

The Division could serve as a forum for directing attention to areas where standardization of techniques is sought. The Standard Stream Survey Committee is the kind of thing we have in mind. Topics such as fish habitat improvement devices and techniques, fish passage criteria at culverts, or fish stocking criteria and methodology, and others could be cited. A whole new ball game could be opened by a task force approach to a multitude of tasks facing us. The result, if not a complete standardization of a procedure, could at least result in a pooling of available data. We recommend this be considered by the Executive Committee of the Division.
A review of the current activities of the Western Division may be in order to answer such questions as:

(1) What were the initial objectives in forming the Division?

(2) Are these same goals valid today or do we need to make some changes?

(3) What should we be doing in 5 years - 10 years, and are we planning now (adequately) for the future?

Perhaps a committee of the Chapter Presidents (or their representatives) could make this analysis of the Division and present their findings at the Western meeting.

Of course, this type of critical analysis need not be limited to the Division, but could well include the interrelated roles of Chapter and Division. We recommend this be considered by the Executive Committee of the Western.

Another suggestion for your consideration is that the Western Division provide a forum at the Annual Meeting for discussion and sharing of Chapter activities. Certain Chapters have active committees on legislation, pollution, water resources and estuaries - committees that are "doing things" that you, too, may be doing or interested in. A Stream Improvements Committee is completing a slide series and narrative on "Crisis in Oregon Streams." This depicts good and bad land-use practices and outlines action concerned citizens may take. We recommend a time and place be made available at the Western for a review of Chapter activities.

Panels such as presented at the Business Session on July 12, 1973, with Chapter representation should be encouraged on an annual basis. Such topics as "are bi-state chapters more effective than lone state chapters," "how does each individual chapter tackle legislative matters," "how do they encourage membership," or even "what is the Chapter's role within a state" can be discussed. The members on the panel would continue to increase membership in the Division and at the same time stimulate Chapter involvement.

We could begin having Chapter sessions at Division meetings. Best papers from Chapter sessions could be presented and again judged at this session. Another possibility would be to encourage student members of the Chapter to present papers at annual Chapter sessions. After judging the best presentation, each Chapter could see that the transportation and room could be paid to allow the student the opportunity to present his paper at the Division meeting. We would not only provide information this way, but would also stimulate student membership in the Chapters and increase attendance to the Division.
Consideration should be given to separating the Western Division from the Western Association of State Game and Fish Commissioners. A close look at this year's program will show the lack of emphasis given to the Western Division. If we believe that a primary function of the Division is to provide a common meeting ground for fisheries workers from the western area, then let's work to have a strong Division by retaining our individuality. There are definite benefits to the Commissioners from their association's meetings, but they will not lose these benefits if the Division meets as a completely separate organization. Perhaps the relationship with the Fish and Game Commissioners Association should be reevaluated. Commissioners' comments could be solicited as to the value of having joint meetings.

With respect to the separation from the Western Association of State Game and Fish Commissioners, Mr. Pete Green, a past president of the Division, provided these comments:

1. The original intent of the Division was to form an organization which could meet with the Directors of the Western Game and Fish Departments and call to their attention that fishery matters were also within their area of responsibility.

2. The perspective of fishery workers would be broadened by this association by giving them the opportunity to meet with and contact persons eminent in the total conservation field.

3. It would serve to save money for the fisheries organization by doubling up on transportation with game people and having meeting facilities and programs made available by the Western Association.

*John C. Peters*

Compiled by
John C. Peters
Colorado Panel Chairman
SEP 6. 1973
Statement of Income and Expenditures, 1972-73

At the business session of the 24th annual meeting last year, the Western Division had a balance of $213.67. No registration fees were collected at that meeting; however, during the year we received dues allotments from the Parent Society amounting to $486.50. Also, our account earned $28.63 interest.

Our expenditures were $32.50 for 2,000 letterheads, $130 postage for mailing meeting announcements and $18 for a Past-President's plaque.

The balance on hand at this time is $548.30.

Respectfully submitted,

George D. Holton
Secretary-Treasurer
Attachment 3

Report of Standard Stream Survey Committee

At the 1972 meeting of the Western Division of the American Fisheries Society, a resolution was passed recommending to the Western Association of State Game and Fish Commissioners that a close liaison be established among organizations to standardize stream survey procedures.

Ralph Larson, President of the Western Division AFS authorized an ad hoc committee to investigate a standard stream survey method. The following committee was appointed by the president.

R.L. Borovicka  Al Hall
Bureau of Land Management U.S. Forest Service

Robert Sayre  Robert Phillips
Oregon Game Commission U.S. Forest Service

Rupert Andrews  Mr. George Holton
Alaska Dept. of Fish Montana Fish & Game
& Game Department

Mr. Cliff Millenbach  Donald Dunham
Fisheries Management Div. U.S. Forest Service

Henry McKirdy  Gordon Watson
U.S. Forest Service Bureau of Sport Fisheries
& Wildlife & Wildlife

Each committee member received descriptions of six stream survey methods.

About 30 people including committee and other interested fishery scientists met in the Mission Room of the Hotel Utah in Salt Lake City, July 10, 1973.

The consensus of the group was that emphasis should be placed on standardization of terms and methods for stream surveys rather than on forms alone. The group decided that the steps in establishing a standardized system are as follows:

1. Determine objectives of the survey
2. Develop a glossary of terms
3. Determine methods and develop forms for collecting and recording data.
4. Investigate potential for automatic data processing for storing and retrieval of data and interagency coordination.
5. Publication and distribution of the method and the storage system to the scientific community
The committee recommends the following motion to the membership:

The Standard Steam Survey Committee should be continued for the next year and subcommittee be appointed by the chairman to accomplish items 1 through 5. A report on progress made will be submitted to the Western Division Meeting in 1974.

Bob Borovicka-Chairman
George Holton
Bill Saltzman
WESTERN DIVISION - AFS, RESOLUTION #1
WILDERNESS FISH STOCKING

WHEREAS, the U. S. Forest Service has been given administrative authority over designated Wilderness Areas on National Forests by the Wilderness Act of 1964; and

WHEREAS, interpretations of the Wilderness Act have varied considerably between Regions of the Forest Service as relates to permitted activities and procedures within a Wilderness; and

WHEREAS, some local Forest Service officials have recently indicated that future Forest Service policy is evolving toward further restriction and perhaps elimination of fish stocking in some additional Wilderness lakes, especially by aircraft; and

WHEREAS, sport fishing in many Wilderness lakes is a key recreational activity that is compatible with a wilderness experience, and since this activity is increasing, certain presently barren wilderness lakes will require stocking as a means of distributing that use; and

WHEREAS, maintenance of trout populations in Wilderness lakes without supplemental stocking is often difficult, if not impossible, because of limited natural reproduction; and since aerial stocking is a biologically superior means of stocking such lakes with the least impact upon the environment and the best chance of survival of the stocked fish; and

WHEREAS, the stocking of remote barren lakes can be also used to perpetuate rare or endangered species;

NOW, THEREFORE, BE IT RESOLVED, that the Western Division of the American Fisheries Society opposes further restriction by the U. S. Forest Service of fish stocking activities in Wilderness Lakes, except where the Forest Service determines, in cooperation with the appropriate State wildlife agency, that it is necessary to restrict fish stocking in order to affect a change in the distribution of recreation use for the purpose of correcting environmental damage; and

BE IT FURTHER RESOLVED, that Regional policy of the Forest Service uniformly recognizes that stocking of some lakes by aircraft is an appropriate and biologically superior management tool; which should be expanded to include barren lakes when the stocking of such lakes is included in a special cooperative agreement between the Forest Service and the appropriate State fish and wildlife managing agency.
WESTERN DIVISION - APS, RESOLUTION #2
STREAM ALTERATION PROGRAMS

WHEREAS, publicly constructed and subsidized stream alteration programs for flood control, irrigation, power generation, drainage, municipal and industrial use, and other purposes often result in the destruction of fish and wildlife habitat; and,

WHEREAS, these programs may cause irreparable damage to waterways and related land resources; and,

WHEREAS, compensatory measures for fish and wildlife damage are often either lacking or inadequate,

NOW THEREFORE BE IT RESOLVED, that the Western Division of the American Fisheries Society, meeting in Salt Lake City, Utah, July 10-13, 1973, vigorously opposes publicly funded stream alteration programs, both existing and proposed, until natural resource values and recreation opportunities are comprehensively evaluated and resource enhancing, protecting and/or compensating recommendations are included as an integral part of the project and project cost; and,

BE IT FURTHER RESOLVED, that the Western Division encourages and supports administrative directives and legislative programs which will ensure the protection and enhancement of fish and wildlife resources in such programs.
WESTERN DIVISION - AFS, RESOLUTION #3
ESTABLISHMENT OF FINANCIAL ASSISTANCE
TO THE DIVISIONS AND THEIR CHAPTERS

WHEREAS, the membership growth and strength of the Western Division
and Parent Society is maintained and perpetuated through its State
and student chapters; and

WHEREAS, the chapters currently active in the Western States need
annual financial assistance to sustain and enhance their activities
and programs; and

WHEREAS, this assistance could be received through financial rebates
from the Western Division and the Parent Society on a per capita membership and project accomplishment formula,

NOW THEREFORE BE IT RESOLVED, that the Western Division of the American Fisheries Society strongly encourages and requests the American Fisheries Society at its next annual executive board meeting to prepare a change in the Society's by-laws whereby the establishment of financial grants to the Divisions for assisting its Chapters is brought to the vote of the membership.
MEMBERSHIP COMMITTEE REPORT
WESTERN DIVISION, AMERICAN FISHERIES SOCIETY
SALT LAKE CITY, UTAH - JULY 12, 1973

After writing to the Committee members, I was able to obtain membership information on the following chapters:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>1972</th>
<th>1973</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado State University Student Chapter</td>
<td>Information unavailable</td>
<td></td>
</tr>
<tr>
<td>Colorado-Wyoming Chapter</td>
<td>73 members</td>
<td>82 members</td>
</tr>
<tr>
<td>Montana Chapter</td>
<td>53 members</td>
<td>53 members</td>
</tr>
<tr>
<td>New Mexico State University Student Chapter</td>
<td>Information unavailable</td>
<td></td>
</tr>
<tr>
<td>Oregon Chapter</td>
<td>230 regular &amp; 39 student members</td>
<td>198 regular &amp; 50 student members</td>
</tr>
</tbody>
</table>

Miss Patti Some, Membership Secretary of the Society, has supplied the chapters with names and addresses of delinquent members. It is hoped that by personal contact by chapter members, we can regain many of our former members.

Walter Burkhard, Chairman
Membership Committee
NOMINATING COMMITTEE REPORT
WESTERN DIVISION, AMERICAN FISHERIES SOCIETY
SALT LAKE CITY, UTAH - JULY 12, 1973

To encourage greater participation in the affairs of the Western Division, the presidents of the local chapters were asked to recommend a candidate each for the offices of Vice-President (President-elect) and Secretary-Treasurer. Four of the nine chapters responded with four recommendations for Vice-President and two for Secretary-Treasurer. One of those recommended for Secretary-Treasurer moved from the Western Division area leaving a single recommendation.

The qualifications of those recommended for the offices, as submitted by the chapters, were examined by the Nominating Committee. The following nominees are offered to the membership at this time:

Vice-President
William S. "Bill" Platts (Idaho)
Rollie F. Rousseau (Oregon)

Secretary-Treasurer
Terry Holubetz (Idaho)

Nominating Committee
Stacy Gebhards (Idaho)
Ivan McElwain (Bonneville)
Joe Stone (Arizona-New Mexico)
Jerry Turner (California-Nevada)
Bob Phillips (Portland), Chairman