1969

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L. Floyd Clarke

*Jackson Hole Biological Research Station, University of Wyoming*

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REPORT ON THE ACTIVITIES
OF THE
JACKSON HOLE RESEARCH STATION
SUMMER 1969

L. Floyd Clarke, Director
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STUDENT CONSERVATION PROGRAM

Four students worked at the Research Station under the Student Conservation Program. These students were Raymond C. Bishop, Linda G. Havighurst, Cynthia Russell, and Juhani Terhivuo. Their program of activities was divided into two major parts, (1) to become acquainted with the various Federal and State agencies concerned with conservation in the area, and (2) to carry out an individual research project. The schedule of activities included the following:

1. An orientation program with Grand Teton National Park Superintendent Chapman, Chief Naturalist Willard Dilley, and Biologist Douglas Houston, as well as other division heads outlining in some detail the activities and responsibilities of the National Park Service, and specifically discussing problems peculiar to Grand Teton National Park.

2. An explanation of the operation of the U.S. Reclamation Service with emphasis on the importance of the Jackson Lake Dam, by Supervisor Braman.

3. A two-day visit to Yellowstone National Park at Mammoth with an explanation of the operation of the interpretive and research programs by Park officials.

4. Explanation of administration and operation of Teton National Forest by Forest Supervisor Safran.

5. A visit to the Fish and Wildlife Service Elk Refuge. Manager Redfearn discussed the functions of the Refuge including the winter elk feeding program.

6. Explanation of the operation of the Wyoming State Game and Fish Department and its importance in the Jackson Hole area, by personnel of the Wyoming Game and Fish Department in Jackson.

7. A visit to the Cody area, including the Whitney Art Gallery and Buffalo Bill Museum.

8. Seminars by research workers at the Station, listed elsewhere in this report.

Following are reports of these students' research projects. These are summaries of the reports which were submitted to the Park Service. Complete reports are available at the Research Station.
PHYSICAL FACILITIES

The Station continued to add to and improve facilities, including the following:

1. The installation of gas heating in the large laboratory, replacing a wood-burning stove.

2. The installation of a new, large water heater in the bathhouse.

3. The addition of a considerable amount of new furniture which was used primarily to add to the comfort and utility of the Library-Seminar room. Other furniture was added to some of the cabins.

Other improvements, of a minor nature, involved the upkeep and care of the buildings and grounds.
COOPERATION WITH OTHER AGENCIES

Among the most important cooperative activities with other agencies were the following.

1. Wyoming State 4-H Field Program. Station facilities were made available for the high school students participating in the 4-H Field Program of the University of Wyoming.

2. Teton Sciences Field Biology School. High school students under the supervision of Mr. Ted Major, science instructor at Jackson-Wilson High School, visited the Research Station. In addition to an explanation of the Station and its operation, students were given an opportunity to visit with research workers and learn of the various research activities being carried out at the Station.

Other high school and university groups also made use of the Station facilities and attended seminars.

3. The Research Station maintained a close cooperation with the Park Service, the Forest Service and the Game and Fish Department throughout the summer. As a result of the continued interests of Willard Dilley, Naturalist, Douglas Houston, Biologist, and Peter Hayden, Assistant Biologist, of Grand Teton National Park, cooperation on research projects at the Station continued to be excellent.

4. During the course of the summer a large number of scientists visited the Station.
SEMINARS

An outstanding series of seminars was held at the Research Station during the summer of 1969. The series included reports by many of the investigators at the Station as well as a number of visiting scientists. The discussions which followed each seminar were also very highly informative and stimulating. The seminars were very well attended by both Station personnel and other scientists in the area. In fact, our seating capacity of about 65 people was exceeded on at least two occasions, with people seated on the floor and even listening from outside the building.

Following is a list of the seminars presented.

June 26 - Glen Cole - Biologist, Yellowstone National Park
Elk Research and Big Game Management in National Parks.

July 3 - Willard Dilley - Chief Naturalist, Grand Teton National Park
Bird Fauna of Jackson Hole.

July 10 - Margaret Altmann - University of Colorado
New Views on Big Game Observation.

July 17 - James Guest - University of Wyoming
Distribution and Description of Natural Salt Licks.

July 24 - Norman Negus - Tulane University
Population Dynamics of Rodents.

July 31 - Michael Parker - University of Wyoming
Why Are Not All Algae Small?

Aug. 7 - Robert Bergstrom - University of Wyoming
Parasites of Ungulates of Jackson Hole.

Aug. 14 - William Calder - University of Arizona
Diving and Singing: Some Physiological Aspects of Fast Living
in Small Birds and Mammals.

Aug. 21 - Edwin Gould - Johns Hopkins University
Comparative Behavior of Some Small Mammals.

Special Seminars

July 13 - Jack Englert - Visitor to Grand Teton National Park
Wildlife Photography.

July 23 - Malcolm Gordon - University of California at Los Angeles
Adaptations for Terrestrial Life in Amphibious Fishes.

July 30 - Nick Dietrich - Jackson, Wyoming
Kodachrome slides of Jackson Hole.
### FINANCIAL REPORT
1968-69

December 10, 1968-June 30, 1969

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*Includes $300.00 transferred from Fixed Charges and $41.71 rebate from Lower Valley Power and Light.

July 1, 1969-October 31, 1969

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*Includes money carried over from previous year, therefore, does not indicate amounts appropriated for one year.

Rent received in the amount of $680.00 was placed in the General Fund of the University.
The New York Zoological Society contributed $500.00 toward the Director's salary in the form of an honorarium.
Grants-in-aid in the amount of $1800.00 were given to investigators by the New York Zoological Society.
National Park Service support to Student Conservation Program - $2000.00.