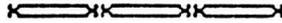


NCC BRIEFS

The NCC and the AASC are pleased to welcome Dr. Jerry M. Davis as the new State Climatologist for North Carolina. Dr. Davis' address is the Department of Geosciences, North Carolina State University, Box 5068, Raleigh, NC 27650.

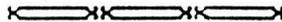
Dr. Davis replaces Dr. Peter J. Robinson who will retain his position as the official representative of North Carolina to the National Climate Program Office. Our sincere appreciation to Dr. Robinson for the work he has done in the State Climatologist Program.



State weather publications which NCC reviews are very much appreciated. Processing of these will be faster if mailing labels are address as follows:

Linda D. Preston, OA/D542x2
National Climatic Center - Library
Federal Building
Asheville, NC 28801

Although one-time publications should also be sent to the above address, it would be helpful if a photocopy of the title page, a flyer, or a note regarding these publications could be sent to Gus Shumbera and Bill Bartlett at this address.



Exchange of Ideas/Information - In order that we may have a more informative and interesting AASC News Letter, NCC would like to emphasize again the importance of exchanging ideas and information. The News Letter is a joint effort of Environmental Data and Information Service (EDIS), National Climatic Center (NCC), National Weather Service (NWS), and the American Association of State Climatologists (AASC), and is designed to fill a need for communication among these agencies. Inputs on new techniques to solve common problems or items of general interest to the AASC Program are solicited. If you have not already done so, please send the following information to Bill Bartlett, NCC for possible publication in the News Letter.

1. A detailed narrative describing the development of your State's climatological organization and/or function to date; what service is provided, to whom and how. What climate data are collected in your State other than National Weather Service data.

2. Describe the projects you have been working on or have completed, and a list of your climatological oriented publications. These should go back at least two years.



NARRATIVE WEATHER SUMMARY - State Climatologists are encouraged to prepare a narrative weather summary for inclusion in the monthly Climatological Data (CD) bulletin for their State. This should be done primarily on occasions of outstanding or unusual weather. The question of appropriate weather phenomena

NCC BRIEFS

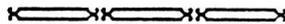
The NCC and the AASC are pleased to welcome Professor Allan H. Murphy as the new State Climatologist for the State of Oregon. Professor Murphy's address is the Department of Atmospheric Sciences, Oregon State University, Corvallis, Oregon 97331.

Professor Murphy replaces Dr. W. Lawrence Gates who will retain his position at Oregon State and, in addition, will still provide much appreciated assistance with the State Climatology Program.



Death Knell for Climatological Bulletins: Budget reductions for Fiscal Year 1982 necessitate termination of several climatological bulletins published by the National Climatic Center. These bulletins and last expected issue are:

<u>Publication</u>	<u>Last Issue</u>
Climatological Data - World	December 1980
Climatological Data National Summary	1980 Annual
Northern Hemisphere Maps	June 1971
River Forecasts	1980
Coop News	Winter 1980-81
Storm Data	June 1981



AMERICAN ASSOCIATION OF STATE CLIMATOLOGISTS

The American Association of State Climatologists is composed of state climatologists (one per state) and associate members who are persons interested in the goals and activities of the Association. State Climatologists are individuals who have been identified by a state entity as the state's climatologist and who are also recognized by the Director of the National Climatic Center of NOAA as the state climatologist of a particular state. State Climatologists (SC) currently exist in 42 states, and they typically are either employees of state agencies or are staff members of state-supported universities. Figure 1 indicates the states and the current state climatologist in each.

The major activity of these non-federal state climatologist programs involves services involving the provision of climate data and information to a variety of in-state users. In certain states it also includes the performance of research, typically dealing with applied climatology and the impacts of climate on various activities. A third major activity performed by many SC's is one of data collection and management. Copies of all in-state records are maintained in written and often in computer formats, along with all relevant state climate type publications printed by the Environmental Data and Information Service (EDIS). In certain circumstances, state climatologists serve as a clearinghouse and/or source of climate data derived from state weather networks. A fourth SC activity concerns acting as a state's focal point for climate data and services for interactions with the federal government (principally EDIS), and other states. EDIS actively supports state climatologists with data, publications, and computer assistance at the National Climatic Center.

The Association is a non-profit organization with three objectives:

- to promote cooperation between state climatologists and governmental and private agencies whose functions include collection, analysis, and dissemination of climatic information;
- to facilitate exchange of information among the state climatologists; and
- to provide mutual assistance in the development of effective state climatologist programs throughout the nation.

Background

The initial program of "state climatologists" was established in the mid-1950's as a new effort of the U. S. Weather Bureau. Dr. Helmut Landsberg, then Head of the Climatology Program of the Weather Bureau, created the program. It led to the establishment of a climatologist in each state, typically located at a major state university. The mission was to serve in a climate data and information role within the state. The state climatologist was a federal employee who typically developed a variety of modes of operation, often closely interacting with university scientists. Unfortunately, programs in most states were insufficiently supported to allow development of a major service-oriented effort.

In 1973, NOAA chose to dissolve the state climatologist program as a part of a NWS program revision (Hull, 1974). The disappearance of this small but valuable in-state data management and service activity left a serious gap in the chain which made climatic data available to many users.

The disappearance of the federal program led several states to initiate similar activities. The state-supported climatological activities were encouraged by the Environmental Data Service (now EDIS) of NOAA who developed arrangements to assist and cooperate with the new state-supported climatologists. Copies of NOAA data and publications were provided at no cost, and varying degrees of cooperation were developed, depending upon the state effort. In a few states, persons who had served as federally employed state climatologists actually resigned as NOAA employees and became state employees.

By 1974, there were 32 states supporting a state climatologist. There was a growing awareness within EDS (now EDIS) that it was beneficial to have state climatologists as a vital link in a national data and information dissemination program. The NCC sponsored informational meetings in Asheville, NC in 1975 and 1976 for these state-supported climatologists, and EDS initiated a quarterly publication to aid the communication between SC's and between SC's and EDS.

At the 1976 meeting in Asheville, the concept of the AASC was developed. The 16 state climatologists at the meeting recognized that a scientific association would provide a more structured mechanism for interaction between state climatologists. Arlo Richardson, State Climatologist of Utah, was selected as president for 1976 - 1977.

The second annual meeting of the Association was also convened in Asheville in October 1977 and a Constitution and By-Laws were established. Mr. Paul Waite of Iowa became the second president of the Association for 1977 - 1978. The third annual meeting (October 1978) was at College Park, Maryland. Robert W. Durrenberger of Arizona was elected as president for 1978 - 1979, and Howard J. Critchfield of Washington became president in January 1979 when Durrenberger resigned as the Arizona State Climatologist. Thomas B. McKee of Colorado was elected president for 1979 - 1980 at the annual meeting in Asheville (October 1979). Stanley A. Changnon of Illinois was elected president at the 1980 annual meeting in Milwaukee (August 1980).

In the first four years of its existence, the Association has conducted annual meetings, appointed committees, and urged the enlargement of the state climatologist programs and a stronger Intergovernmental Climate Program, as proposed in the National Climate Program Act of 1978. Association members have served on advisory committees and panels of the Climate Board of the National Academy of Sciences and of the National Climate Program Office.

Membership

There are two classes of members in the AASC. The voting members include the official state climatologist of each state. Associate members are those nominated by one or more voting members and elected by a majority of the voting members. The current voting membership of the Association is 42 (all state climatologists), and there are 18 associate members.

The officers of the Association for the 1980 - 1981 period include Stanley A. Changnon of Illinois as President, Dr. Bernard Dethier of New York (Cornell University) as President-Elect, and Professor Glen Connors of Western Kentucky University as Secretary-Treasurer. Currently, the Association has six committees. These committees and their chairmen for 1980 - 1981 include Nominating (Howard Critchfield, Washington), State Climate Programs (Dean Bark, Kansas), Constitution and By-laws (Pat Michaels, Virginia), Relations with EDIS and NWS (Larry Schaal, Indiana), Computer Usage (Myron Molnau, Montana), and Severe Storms Information (Paul Waite, Iowa).

Current Activities

A principal AASC activity involves efforts to obtain a fully implemented Intergovernmental Climate Program (ICP), considered to be an integral part of a well functioning National Climate Program. The transfer of climate data and information, coupled with applied climate impact studies, are seen as key functions of a meaningful national climate effort. These are the types of activities in which state climatologists have experience and deep interest. The AASC in 1979 took a position of supporting a phased development of the ICP, but AASC is now deeply concerned by the low level of funding to date and by the lack of a definitive implementation plan within the newly adopted National Climate Program 5-year Plan (NCPO, 1980).

A second ongoing activity relates to the lack of state climatologist programs in the eight states. Officers of the AASC are currently contacting and working with representatives in several states to provide information about the benefits and the dimensions of a state-supported climatologist program. The National Climate Program Office has helped fund a program for the state climatologist effort in Connecticut.

A third activity relates to an assessment of the publications of the 42 existing state climatologists. Many state climatologists routinely issue monthly and annual weather-climate summaries for their states, typically shaped to address the specific in-state needs for climate information. Such an assessment will be available to those desiring copies.

A fourth ongoing activity involves work with Environmental Data and Information Service to assist in their publication, Storm Data. This valuable publication could be potentially improved with the stronger involvement of the state climatologists in gathering data on severe weather events and climate aberrations. A committee of AASC is working on this problem.

A fifth activity of great importance to the AASC relates to computer systems and software development. The potential of computer systems and interactive terminals for data communication between (a) state climatologists, (b) state climatologists and their frequent users, and (c) between state climatologists and the major data archives of NCC in Asheville, NC is seen as a high priority by state climatologists. Amos Eddy, State Climatologist of Oklahoma, provided a major display of various computer systems at the AASC meeting in Milwaukee during August 1980. The AASC seeks standardization in communicative computer systems and related software so as to evolve an optimal system in the future. EDIS has been funding some demonstration work in this area.

Association Information

Those who wish further information about the Association should contact the President. The 1980 - 1981 address is Box 5050, Station A, Champaign, Illinois 61820. Information on the membership and the publications of state climatologists can be obtained. The Association also maintains a file on state climate programs throughout the nation. The next annual meeting of the Association will be held in August 1981 at Fort Collins, Colorado.

References

Hull, A. R., 1974: Status of State Climatological Series. Bull. Amer. Meteor. Soc., 55, 20-21.

National Climate Program Office, 1980: National Climate Program Five-Year Plan. NOAA, Washington, DC.

NCC BRIEFS

The NCC and the AASC are pleased to welcome two new State Climatologists into our ranks. Dr. Charles L. Jordan, new State Climatologist for the State of Florida, replaces Dr. Clark I. Cross who retired in May 1981. Dr. Jordan's mailing address is Department of Meteorology, Florida State University, Tallahassee, FL 32306. Also, Professor Robert L. A. Adams of the Department of Geography at the University of New Hampshire, has assumed the role of State Climatologist for the State of New Hampshire following the resignation of Gerard Pregent. Professor Adam's address is Department of Geography, James Hall, University of New Hampshire, Durham, New Hampshire 03824.

HELP US GET YOUR MESSAGE ACROSS! Each State Climatologist is asked to send to the National Climatic Center (Attention: Bill Bartlett) an indepth article on their SC Program. Each quarter a selected state will be "spotlighted" in the AASC newsletter. These articles will serve to acquaint other states with the program or programs that are being conducted by SC's. Each write-up should be accompanied by several photographs (3 1/2" X 5") to illustrate the article. If public relations brochures are available, they will suffice.

NCC PUBLISHES HEAT STRESS DATA

The National Climatic Center has produced a new "Environmental Information Summary on Heat Stress" in response to growing public demand for information after the great heat wave of 1980.

The 6-page summary lists heat wave safety rules, heat syndrome symptoms and first aid, as well as advice to coaches. Copies of Heat Stress, Environmental Information Summary C-19 are available from the National Climatic Center.

COVER With this issue, the title of this quarterly newsletter has been changed to "The State Climatologist" to more accurately reflect the purpose of the publication.

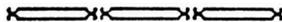
ANNUAL AASC MEETING

The 1981 AASC Annual Meeting has been scheduled for August 11-12 in Fort Collins, Colorado. The agenda will include items vital to the future of the AASC and State Climate Programs. Some of the topics that will be highlighted are:

1. Review of the monthly climatic summaries that are published by the State Climatologists.
2. Discussion of State Data Bases.
3. Discussion of the in-state data collection activities.
4. Reports from Federal Agency representatives.
5. Report from members of various climatic advisory panels.
6. Committee Reports
7. Business Meeting

All AASC members should have received details on location, lodging and transportation from Thomas B. McKee, State Climatologist for Colorado.

A special climate trip is being planned for the afternoon and evening of August 12. The trip will start about 1:30 p.m. and end by 10:00 p.m. Members will span the elevation range of 5,000 feet to 12,000 feet and visit the short grass prairie, forests, and the tundra all in a distance of less than 100 miles. Dinner is included in the trip. The cost of the climate trip will be included in the meeting registration fee for AASC members.



NCC BRIEFS

The NCC and AASC are pleased to welcome Dr. Kenneth G. Hubbard as the new State Climatologist for Nebraska. Dr. Hubbard replaces Dr. N. J. Rosenberg, who is still affiliated with the university and will assist Dr. Hubbard in the program. Dr. Hubbard's address is: Center for Agricultural Meteorology and Climatology, 239 Agricultural Engineering Bldg., East Campus, University of Nebraska, Lincoln, NE 68583-0728.

* * * * *

STORM DATA, which had been slated to end with the June 1981 issue, is given a new lease on life in a revised and expanded format. Coordination among the National Climatic Center, the National Weather Service, and Dr. T. Theodore Fujita, Professor of Meteorology at Chicago University and an acknowledged tornado authority, have made this possible.

Beginning with the July 1981 issue, Dr. Fujita will review the reports provided by the National Weather Service; assign tornado F scale numbers, and add narratives and pictures on outstanding storms. NWS narratives on tropical storms will also be carried. The National Severe Storm Forecast Center will also participate in the review. Storm Data will be published by the NCC after these reviews, but likely with a slightly longer lag time.

The December issue will include an annual general summary of tornadoes and lightning, hailstorm and wind losses.

* * * * *

State, Regional and National Degree Day Data. The Climatological Analysis Division of the NCC has notified users of the population-weighted heating and cooling degree day data that revised publications and data base will be available in early October. The revisions include population weights based on the 1980 census, 1951-80 normals, and updated statistics based on the 1931-80 period.

* * * * *

Hurricane Tracks. Material for the revised and updated edition of Tropical Cyclones of the North Atlantic Ocean, 1871-1980 has been produced in a cooperative effort among ESIC-NHC-NHRL and NCC. NHRL has supplied \$7,200 for printing 2,000 copies. The earlier version of the publication (covering 1871-1977) has been out-of-print for about two years.

* * * * *

World Weather Records. Volume 6 of World Weather Records, Islands of the World, 1961-70, is being sent to GPO for printing. This volume has been prepared entirely through automated procedures.

AMERICAN ASSOCIATION OF STATE CLIMATOLOGISTS

ANNUAL BUSINESS MEETING FORT COLLINS, COLORADO

The meeting was called to order at 11:20 a.m., August 12, 1981, by President Changnon.

1. The minutes of the 1980 Annual Business Meeting, having been published in the AASC Newsletter Vol. 4, No. 3, (November, 1980) were moved for approval by Nurnberger (Michigan) and seconded by Michaels (Virginia). Motion passed.
2. Secretary/Treasurer Conner (Kentucky) provided a financial report which is appended to these minutes.
3. Chairman Schaal (Indiana) reported on activities of the Committee on Relations with EDIS and NWS. He indicated that discussions of referrals of NWS data to the State Climatologists were held but, because of the diversity of circumstances, no single recommendation could be made. He suggested that each State Climatologist contact his Meteorologist in Charge to establish these procedures.
4. Chairman Waite (Iowa) submitted a report of the Severe Storms Committee which is appended to these minutes. The committee strongly urged continuance of the Storm Data publication. The State Climatologists were urged to provide inputs to the publication.
5. Chairman Molnau (Idaho) reported on the Computer Committee's activities. The 1980 Eddy report's implementation is in abeyance pending funding. There had been contact with the National Climate Program Office advocating their sponsorship of a computer workshop for State Climatologists but no action to date. The Committee worked on computer program exchange among State Climatologists. The Chairman will provide a locator service for existing programs which are available for sharing. All State Climatologists were asked to provide programs or program descriptions to the Chairman for use in the locator service.
6. Chairman Michaels (Virginia) of the Constitution and Bylaws Committee presented for second reading the admendment which passed first reading at the 1980 meeting. Adopted without opposition.

The Chairman offered an amendment to VII 1 to add "...or by voting members attending the annual open meeting." Moved by Bark (Kansas) and seconded by Eddy (Oklahoma) to submit the admendment to the membership. Passed without opposition.

The Chairman offered an amendment to IV 3 to read "...nominations by ~~one~~, two or more voting members and election by a majority of voting members and payment of dues...." Moved for adoption by Lytle (South Dakota) seconded by Goodridge (California). Passed without opposition.

The Chairman offered an amendment to By-law number 9 to read "....to the membership at least thirty days prior to the next meeting with-the-mail-announcement-of-the-meeting." Moved for adoption by Bark (Kansas), seconded by Eddy (Oklahoma). Passed without opposition.

7. Chairman Critchfield (Washington) of the Nominating Committee presented the Committee's nominations of Plummer (Georgia) for President-Elect and Conner (Kentucky) for Secretary/Treasurer. President Changnon announced the receipt of a petition from five members nominating Nurnberger (Michigan) for President-Elect. By secret ballot, Nurnberger was elected as President-Elect and Conner as Secretary/Treasurer.
8. President Changnon expressed his appreciation for the support of the membership during his term and passed the torch to our new President Dethier (New York).
9. President Dethier announced his committee appointments:
 - A. Nominating Committee
 1. Chairman McKee (Colorado)
 2. Miller (Connecticut)
 3. Brazel (Arizona)
 - B. State Programs
 1. Chairman Plummer (Georgia)
 2. Carter (Alabama)
 3. Goodridge (California)
 4. Lytle (South Dakota)
 - C. Constitution and By-Laws
 1. Chairman Michaels (Virginia)
 2. Robinson (NCPO)
 3. Miller (Connecticut)
 - D. Relations with EDIS and NWS
 1. Chairman Schaal (Indiana)
 2. Kuehnast (Minnesota)
 3. Waite (Iowa)
 - E. Computer Committe
 1. Chairman Molnau (Idaho)
 2. Eddy (Oklahoma)
 3. Brazel (Arizona)

F. Severe Storms Committee

1. Chairman Waite (Iowa)
2. Bark (Kansas)
3. Bartlett (NCC)
4. Reid (EDIS)

10. The following new Associate Members were nominated by McKee (Colorado) and unanimously elected:

John Vogel	- Illinois State Water Survey
Arnold Court	- California State University
Ellen Cooter	- Oklahoma Climatological Survey
Norm Canfield	- NOAA Climate Office
Peter Robinson	- National Climate Program Office
Ron Weaver	- World Data Center
Malcolm Reid	- EDIS
Charles Chimento	- Louisiana Assistant State Climatologist
Bob Riggio	- Texas A&M University
Richard Becker	- Alaska Climate Center
Ken Hubbard	- University of Nebraska
A. Boyd Pack	- New York

11. Invitations for the 1982 meeting were offered by the National Climatic Center to meet in Asheville, by President Dethier to meet in Ithaca, and by Past President Changnon to meet in Illinois. By a plurality, the vote was to meet in Ithaca, New York during the second week in August, 1982 with the specific date to be selected by the Executive Committee.
12. President Dethier expressed the Association's gratitude for the exemplary leadership provided by Past President Changnon and to Colorado State University, Tom McKee, and his staff for their superb organization and support of the 1981 meeting.
13. Adjourned at 12:30 p.m., August 12, 1981.



Dr. Thomas D. Potter, Director, EDIS, addresses the AASC meeting at Fort Collins, CO.



TREASURER'S REPORT

Balance as of 29 August 1980 \$1378.19

Prepaid Dues 90.00

TOTAL \$1468.19

Expenses 29 August 1980-4 August 1981

Past President's Expenses 323.23

President's Expenses 546.23

Bank Charge 1.06

TOTAL \$879.52

Balance as of 4 August 1981

TOTAL \$588.67

Registration Fees Collected 1981 \$1275.00

Dues Collected 670.00

GRAND TOTAL BALANCE \$2533.67
(Expenses of 1981 meeting
not subtracted)

MEMBERS PAID 25

ASSOCIATE MEMBERS PAID 6

AASC CONFERENCE (11 August 1981)

Stanley A. Changnon, Jr.	Illinois State Water Survey, SC
Anthony J. Brazel	Arizona State University, SC
Robert A. Muller	Louisiana State University, SC
Bill Lytle	South Dakota State University, SC
L. Dean Bark	Kansas State University, SC
Charles L. Jordan	Florida State University, SC
Norton D. Strommen	USDA/World Agricultural Outlook Board
Joseph M. Caprio	Montana State University, SC
Howard J. Critchfield	Western Washington State, SC
William S. Cooter	Oklahoma Climatological Survey
Ellen Cooter	Oklahoma Climatological Survey
Tom Potter	EDIS
Kenneth G. Hubbard	University of Nebraska, SC
David R. Miller	University of Connecticut, SC
Richard O. Gifford	University of Nevada, SC
Myron Molnau	University of Idaho, SC
John C. Bellamy	University of Wyoming, Representative
August H. Auer, Jr.	University of Wyoming, Representative
Werner A. Baum	NAS/NRC Climate Board
Robert Chen	NAS/NRC Climate Board
Jim Goodridge	California Dept. of Water Resources, SC
Amos Eddy	Oklahoma Climatological Survey, SC
Bernie Dethier	Cornell University, New York, SC
Glen Conner	Western Kentucky University, SC