NCAR Research Support Award, 1980; for Data Support

- Our Data Support Section at NCAR was honored by receiving this award in 1980.

- Enclosed is the documentation and the letters which supported this award.

- A word of thanks to the people who helped with this award. These papers were given to our group later on.

- Ready to scan July 2, 2004 (49 p) doc RJ0359

Roy Jenne
July 1, 2004

Doc RJ0359

About 32 letters here.
15 October 1980

MEMO TO: Bob Dickinson
FROM: Empirical Studies Group within the Climate Model Division at NCAR
SUBJECT: Research Support Award

We nominate the Data Support Section for the 1980 Research Support Award. It has been our good fortune to have worked closely with Roy Jenne and the members of his section (Dennis Joseph, Will Spangler, Paul Mulder, Greg Walters, and Dean Fry) for a number of years.

The Data Support Section (DSS) has amassed at NCAR the most complete and accessible meteorological data set anywhere in the world. Roy and his people have invested (and continue to invest) an enormous effort in collecting data and in writing computer software which makes utilization of the data easy.

The impact that Roy and the DSS has had on scientific research is incalculable. They provide direct and indirect support for numerous research efforts. Within the last year, for example, the DSS has honored over 250 special requests for data. These requests came from NCAR (~30%), universities (~50%), U.S. government labs (~10%) and foreign universities/labs (~10%). These special requests which required reading 1500 tapes and writing 800 tapes do not include users who have direct access to DSS tapes. The impact of the DSS is remarkable.

Members of the DSS are always cooperative and anxious to help. They are generous with their time and do everything in their power to ensure that the user is satisfied. They will often write software for users which will enhance the researchers' production.

To summarize, the support the DSS has provided researchers over the years has been outstanding. Their earned reputation of being able to deliver has led scientists from around the world to depend on the DSS.

This nomination is enthusiastically endorsed by the scientific community as shown by the attached letters. The Data Support Section is a group of which NCAR can be truly proud.

END OF MEMO

Attachments
NCAR Awards Committee
Attention: Christine Kingsland
National Center for Atmospheric Research
P.O. Box 3000
Boulder, Colorado 80307

To whom it may concern:

The purpose of this letter is to recommend Roy Jenne of the Data Support Section for NCAR's Research Support Award.

Over the years Roy and his people have provided outstanding service to myself and others of us here at Scripps. His contributions have fallen in a number of areas. (1) In the early years of NORPAX, Roy was instrumental in helping us set up a climatological data base at Scripps. His suggestions and advice were of substantial value. Furthermore, without complaint, he and his people filled many data requests for us. They also were patient in explaining to us the virtues, and most important, shortcomings of the data they were transmitting to us. Thus they provided us with much more than simply "a few reels of tape." (2) The value of the contributions of Jenne in the early formation of climate research at Scripps should be self apparent from the large number of people presently engaged in that activity here as well as the large number of publications that have resulted from our efforts. A substantial fraction of these contributions can be traced directly to the early assistance that Roy and his people provided. (3) One of the most outstanding aspects of assistance that Roy has given us has been in the area of interpreting and commenting on data quality (see above). It has not been enough merely to transmit voluminous data on tape. Roy and his people, e.g., Will Spangler, have demonstrated a clear knowledge of the quality and form of the data with which they work. This should be evident also from the numerous publications that Roy has participated in regarding historical data sets.

Roy and the people in his group have always been eager to help us run down data problems whether they were induced by the machine, actually occurred in the data or were due to our own devices. All of this was done with a most positive and encouraging attitude.

In summary I think the contributions of Roy and his group over the last decade to the area of large-scale climate studies has been extraordinarily
valuable. Roy and his group truly have been pioneers in opening a field of research. Thus I feel that they are more than deserving of NCAR's Research Support Award.

Sincerely yours,

Tim P. Barnett

TPB/gj
20 October 1980

NCAR Awards Committee
National Center for Atmospheric Research
P. O. Box 3000
Boulder, Colorado  80307

Attention: Christine Kingsland

This is a letter strongly endorsing the nomination of the Data Support section of NCAR for the Research Support Award for 1980.

Our group at the Department of Astro-Geophysics, University of Colorado, has interacted with Roy Jenne and the NCAR Data Support section for a period of at least 10 years.

The problem of global distribution of ozone and its time variations is of current concern because of possible anthropogenically induced biological and ecological effects; possible effects on climate change; and its role in possible solar-terrestrial variations. One of our major problems involving ozone data was to set up and maintain an archiving scheme, including careful checks on data quality control, for the global network of ground based observations of total ozone. We worked closely on this project with Roy Jenne, Dennis Josephs, Will Spangler and others of the support group. Their contribution to this study was truly invaluable. Not only were they extremely cooperative in working with us and providing constant important advice, but they have been imaginative in their suggestions for organization of the archived data. Through this cooperative effort we have been able to supply data tapes to research scientists involved in current studies of ozone distribution and long-term trends and those concerned with cross validation of ground based and satellite observed values of total ozone.

In addition to the cooperative program on archiving of ozone data, the Data Support section has given our graduate students and myself continued advice in organization of other upper air data used in a number of MS and PhD theses.

At the present time we are working on a cooperative project with the group in the development of a basic data set for a ground based cloud climatology study funded by NOAA.
The versatility of our interaction with this group, the quality of their advice and comfortable interaction prompts me to repeat the strong backing to the nomination of the Data Support section for this well deserved reward.

Sincerely yours,

Julius London
Professor

JL/ms
NCAR Awards Committee
Attention Christine Kingsland
P. O. Box 3000
Boulder, CO 80307

Dear Committee Members:

Re Recommendation for the Research Support Award

I should like to recommend the Data Support Section (R. Jenne, Chief) for this award, based on my perception of their outstanding history of success in collecting, organizing, documenting and providing data sets to the atmospheric science community. I have used the resources of this group on a number of occasions over the last seven or eight years in support of NSF and NOAA research programs, particularly in Arctic regions. Numerous grids of pressure, isobaric height, temperature and wind fields have been provided for these projects. Appropriate credits to this support may be found in various publications of mine and those of my graduate students, including J. Williams, J. C. Rogers, R. E. Moritz and G. Meehl (NCAR Cooperative Theses).

Moreover, I have always found an unusually high level of cooperation and support in the wider area of data and information services. In particular, the documentation of data sets provided in TN/1A-111, the contributions of Dr. Jenne himself to the "Climate Data Management Workshop" of NOAA, May 1979, and to the Workshop on Snow Cover and Sea Ice Data of the World Data Center, November 1978, illustrate the broad nature of this expertise. We were also assisted directly by Dennis Joseph of the group in our search last year for a scientific manager for the World Data Center.

These illustrations support my case for recommending this section for the award based on their outstanding work.

Yours sincerely,

Roger G. Barry
Professor of Geography and
Director, WDC-A for Glaciology

RGB:ms
September 30, 1980

NCAR Awards Committee
NCAR
P.O. Box 3000
Boulder, CO 80307

This letter is in support of the nomination of Dr. Roy Jenne for the NCAR Research Support Award.

I have worked with Roy for quite a long time (at least more than 5 years). He has been very instrumental in compiling, and making available to the scientific community, data sources that could be relied upon for their accuracy and that would have been prohibitively expensive to develop on ones own. In such a capacity Roy has saved the taxpayer untold thousands of dollars (certainly a multiple of his salary) by making data usage more efficient and by eliminating unnecessary duplication of development work. It also would be difficult to measure the value of avoided frustrations by just being able to turn to Roy instead of digging through the archives in Asheville or elsewhere around the world.

Functions like those performed by Roy are easily overlooked when it comes to the recognition of outstanding performance. Such services, once they run smoothly, are taken for granted. Their importance is only appreciated if, for some reason, they are interrupted. It speaks highly of NCAR management that Roy has been nominated for this year's award. In my opinion, it would be difficult to find a more deserving person.

Sincerely,

Elmar R. Reiter
Professor, Atmospheric Science

ERR:jv
October 24, 1980

Dr. Chester W. Newton
NCAR
P.O. Box 3000
Boulder, CO 80307

Dear Chester:

SUBJECT: Nomination of Data Support Section for Research Support Award

Please include me as one of the many scientists supporting the nomination of the Data Support Section for the Research Support Award at NCAR.

The performance of this Section over many years has been used in many forums to exemplify the highest quality of data management in support of basic research. As a member of the Geophysical Research Board's Geophysical Data Committee, representing the National Academy of Science Committee on Atmospheric Science, I have been impressed by the image of leadership that Atmospheric Science holds in data management among the geophysical sciences. This image is in large part the result of the performance of the Data Support Section. Their leadership has contributed to the performance of data handling throughout our profession, not just at NCAR. For example, Roy Jenne's work at NOAA Headquarters was greatly valued by Headquarters and the Environmental Data Information Service, including the National Climatic Center.

The performance of this Section has been an essential part of the Drexel effort in mesoscale numerical modelling for the past ten years. Our effort would have been pure speculation (and hence unsupported and undone) had we been unable to use real data for initialization and verification. We simply could not have undertaken this work without the support of Roy, Dennis, Paul and Will. Recent results show that a particular type of precipitation analysis (3 hr. synoptic charts) using the hourly rainfall network will allow us to estimate the predictability of heavy precipitation events. We expect to follow up on this immediately because of its critical importance at this time. Had the Data Support Section not had the foresight to assemble all these data in a usable form, of course, they have helped us with a number of details in getting the data from tape to mass store to 7600 to CRAY and back again!

The work would not have been feasible for a university researcher.

-9-
The attitude of the Data Support Section is an example to all scientists. They are enthusiastic, pleasant, patient and helpful. Moreover, they convey concern for efficiency of both manpower and computing power in scientific data analysis.

This Section deserves the gratitude of the whole community and the Research Support Award would be a big step toward meeting our collective debt and expressing our thanks.

Sincerely yours,

Carl W. Kreitzberg

Carl W. Kreitzberg, Professor
of Physics & Atmospheric Science

CWK/ddh
Ms. Christine Kingsland  
National Center for Atmospheric  
Research, P. O. Box 3000  
Boulder, Colorado 80307

Dear Ms. Kingsland:

This is a letter of recommendation for the annual outstanding performance award of NCAR. I wish to nominate the data support group headed by Roy Jenne for this years awards. It is perhaps fitting to quote the enigmatic William Gray who once said that, "Should NCAR fold, I want to see Roy Jenne's group to stay there." This was meant as the very highest compliment.

The data support at NCAR is very well known to me for over a decade. I have had direct working contacts with Roy Jenne, Paul Moulder, Dennis Joseph, Dean Fry and Will Spangler. This group is very well known all over the world. To name a few groups who have expressed great cooperation from this group:

Dr. Lennart Bengtsson (ECMWF, England),
Dr. Daniel Cadet (CNRS, France),
Dr. D. R. Sikka (Poona, India),
Mr. Gordon Bell (Royal Observatory, Hong Kong).

The U.S. University scientists rely on this group immensely. We have found this group very cooperative in terms of our data needs. They take individual interest and provide a service without undue delays. As a heavy user of NCAR data tapes, we find this service extremely valuable. We feel that Roy Jenne provided an extremely important leadership in this unique area. He is quite knowledgeable in the needs for the archival of diverse data sets from earth and space based platforms. The World Climate Program relies very heavily on this kind of activity and NCAR provides, in many areas, a service that is not available from a single group such as the WDC, Asheville or the Satellite Data Services in Camp Springs, Maryland. I feel strongly that this group deserves to be encouraged for their excellent contributions.

Aside from activities at NCAR, many members of this group have worked with me at Geneva and New Delhi on data management activities related to the Global Experiment. During the GARP Monsoon Experiment Roy Jenne, Dean Dry and Dennis Joseph provided invaluable assistance in these areas.
Ms. Christine Kingsland  
October 28, 1980  
Page Two of Two

This group has acquired an invaluable experience in this area.

Finally, the attitude and personality of Roy Jenne are some of the strongest attributes that contributes to the success of this group. I hope that NCAR would consider this group, very favorably, for the award this year.

Sincerely yours,

T. N. Krishnamurti
Professor

TNK/mvq
6 October 1980

NCAR Awards Committee
P.O. Box 3000
Boulder, CO 80307

Attn: Christine Kingsland

Dear Committee:

The members of the Empirical Studies Group, Climate Section, AAP have informed me of their intention to nominate Roy Jenne’s Data Support Section for NCAR’s Research Support Award. At the moment neither I nor my immediate colleagues are involved in efforts which bring them into contact with this group. Nonetheless, from the work of my colleagues at the University of Washington and at NCAR, it is evident that NCAR data sets prepared by this group are having a major impact on data analyses which are proving to be of major importance for studies of climatology and general circulation. There is a general consensus that this is one of NCAR's most valued services.

Sincerely yours,

R. S. Lindzen

RSL/drs
Awards Committee, National Center for Atmospheric Research
Box 3000
Boulder, Colorado 80307
Attention: Ms. Christine Kingsland
Subject: Research support award

Gentlemen:

It is with pleasure that I recommend the Data Support Section for the NCAR Research Support Award.

I have had frequent contacts with the Data Support Section both as a user and as a supplier of atmospheric data bases. Each occasion as a user has been a surprisingly satisfying experience. Surprising from the viewpoint that I obtained the data requested in the format required and without delay. These features are all important to the individual university researcher who is usually working on a fixed time (always too short) grant. My two largest requests to the Data Support Section have been (1) long-term monthly mean rawinsonde data over the global tropics in support of a grant to determine the global mean circulation by meshing the rawins and aircraft reports and (2) daily data in support of the GATE large-scale analyses. These data were for selected areas to expand the analysis beyond the inadequately designated A-scale area.

A by-product of many of my research projects has been grid point data of use to other researchers. The Data Support Section has served as the collector and distributor of these data sets. Their expertise in correctly formatting and supplying the data to various users is deeply appreciated since we do not have the capability or resources for this function.

Attesting to the efficiency and capability of this small unit is the number of acknowledgments in the literature. Having been a satisfied customer, I can understand why.

Sincerely,

James C. Sadler
Associate Professor
TO: NCAR Awards Committee

SUBJECT: Letter of recommendation in support of the Data Support Section for NCAR's Research Support Award

FROM: Kevin E. Trenberth

I wish to add my support to the nomination of Roy Jenne's Data Support Section (DSS) for NCAR's Research Support Award.

I know from personal experience that the compilation of data sets which have been checked for errors and put into a form where they can be conveniently accessed is often a major part of the research and it is frequently a thankless task that never seems to end. In the past two and a half years I have made extensive use of NCAR data sets with the help and cooperation of every member of the D.S.S. On every occasion, without exception, where I have required information about a data set, assistance on a data problem or the construction of a particular subset of data for my personal use, the service has been excellent. It has been provided promptly, efficiently and in a very cooperative manner. I believe the ongoing support for scientists working with data provided by the D.S.S. is truly outstanding.

I wish to cite one example in particular. Inevitably with data sets, especially when the data comes from multiple sources, there are extensive problems. Such is the case with the Northern Hemisphere sea-level pressure data set; attached reprint (Trenberth and Paolino, 1980). As documented in this article, there are many spurious trends, errors and discontinuities present in the data set which were not caused by and are not the responsibility of the D.S.S. (For instance, it is not their fault if the U.S. Navy and U.S. N.M.C. produce different analyses from the same data). However, the D.S.S. went out of its way to make the problems part of their responsibility, to assist in documenting the problems and in disseminating the documentation and corrections to other users (see p. 859, first paragraph). One problem had originated at NCAR but was corrected through interaction with and the cooperation of the D.S.S. The article concludes with a call for a greater effort, in general, in archiving error-free data sets, but this is not a criticism of the D.S.S. at NCAR. Rather
it is a criticism that there are not more groups like the D.S.S. to provide such reliable service. The absence of such other groups further emphasizes the outstanding ongoing service provided by the D.S.S. (Note that the assistance of Roy Jenne and associates is acknowledged in the paper).

The above is but one example of many that I can cite. I therefore wholeheartedly add my support to the nomination of the D.S.S. for the Research Support Award.

Kevin E. Trenberth
Associate Professor

KT:dm

Attachment
To: NCAR Awards Committee

From: John Walsh
Laboratory for Atmospheric Research
University of Illinois
Urbana, IL 61801

Subject: Nomination for Research Support Award

I wish to add a strong recommendation for Roy Jenne's Data Support Section in the competition for this year's Research Support Award. Without the assistance of this group, much of my research during the last 5 years would not have been possible. Having discussed data accessibility with others, I have found that my own experience is quite common among users of meteorological data. The archiving of a tremendous variety of meteorological and oceanographic data in a format that is conveniently accessible via the NCAR Computing System has to be a tedious and sometimes thankless task. The efficiency with which the Data Support Section has accomplished this task is quite impressive.

I have also found the members of the Data Support Section to be very cordial and cooperative. Most of my contact has been with Roy Jenne, Will Spangler, Paul Mulder, and Dennis Joseph, all of whom have been very knowledgeable about the data and very personable in helping users of the data. All four are extremely adept at minimizing the roadblocks to data handling.

The NCAR data collection is a rather unique resource for university as well as non-university scientists; I consider it one of the most valuable resources at NCAR. The service provided to many users by the Data Support Section seems to be extremely high in relation to its cost to NCAR. The fact that data access seems to be achieved more efficiently and economically at NCAR than at data centers in other government agencies is a tribute to the members of the Data Support Group. This group seems to be most deserving of a Research Support Award.

Sincerely,

John Walsh

JW: kg
September 30, 1980

Awards Committee
National Center for Atmospheric Research
P. O. Box 3000
Boulder, CO  80307

Attention: Ms. Christine Kingsland

Dear Friends:

It is my understanding that NCAR's Data Support Section has been nominated for the Research Support Award.

Let me endorse this nomination enthusiastically. That Section, under the able leadership of Roy Jenne, has given us considerable assistance with basic data. In particular, they furnished us on short notice with two tapes which were essential for research of one of my Ph.D. students. This study would have been considerably retarded had it not been for the prompt response we got from the Data Support Section.

It is my hope that you will give this nomination favorable consideration.

Sincerely yours,

[Signature]

H. H. Landsberg
Professor Emeritus
October 9, 1980

Ms. Christine Kingsland  
NCAR Awards Committee  
NCAR  
P. O. Box 3000  
Boulder, CO 80307  

Dear Ms. Kingsland:

Dave Rodenhuis of our Department has passed on to me a letter from the Empirical Studies Group, Climate Section, AAP, requesting a recommendation for nomination of Roy Jenne's Data Support Section for an NCAR support award. I am delighted to respond because I believe much of my research involving data has been accomplished because of Roy's skill, knowledge and assistance.

I have received data in a variety of formats necessary to my analyses for many years now from Roy and his office. In all cases the data has been made available to me in the most convenient form and often based solely on my specifications. The data has always been made available in a most punctual manner so that so that my efforts were not delayed. By comparison, I have often avoided data analyses which required data from the National Weather Records Center because delays and inadequate formatting simply discouraged me from continuing a project. Since having access to data from NCAR through Roy's office, I have never once hesitated to engage in a study of data and have always been more than adequately served.

The value of this service is hard to assess but several of my publications have depended upon it. Were I one to extoll the virtues of my own work, I would have to say that the future of meteorology and the advancement of our understanding of the atmosphere is in no small measure indebted to the valiant efforts of Roy Jenne and his office.

Finally, not only was I more than adequately and promptly provided with data essential to my studies, but the service was always provided with kindness and a warm and sincere smile. There was never a harsh word, a resistance, or anything but a positive effort to satisfy a needed request. This attitude is perhaps the best attribute of Roy and his group since it encourages one to come back with additional requests and thereby stimulates research rather than stifles it.

Since I have nothing but praise for Roy and his group, I hope that you will indeed nominate them for an award, and that the award committee
will bestow upon them a highly deserved honor. They should most definitely be encouraged to continue their masterful services.

Sincerely yours,

Ferdinand Baer, Chairman
October 13, 1980

Dr. Chester W. Newton  
Empirical Studies Group  
NCAR  
P.O. Box 3000  
Boulder, CO  80307  

Dear Chester:

As a long-time user and "beneficiary" of Roy Jenne's Data Support Section, I am strongly in favor of nominating this group for NCAR's annual Research Support Award. It is well known that Roy's group for more than 15 years, has done a consistent job of satisfying data requests from atmospheric scientists. His name, if you excuse the trite expression, has become a household word in meteorology, both in this country and overseas. (I remember phrases from my German colleagues like, "... you are lucky, you've got Roy Jenne"). If I had to name the most extraordinary attribute of this group, I would single out their unbureaucratic attitude toward the user. I think that the Research Award is long overdue.

Sincerely yours,

[Signature]

Rainer Bleck  
Professor

RB/js
October 7, 1980

Drs. C.W. Newton, H. van Loon, R.A. Madden, and D.J. Shea
Members of the Empirical Studies Group
Climate Section, AAP
National Center for Atmospheric Research
P. O. Box 3000
Boulder, Colorado 80307

Dear Chester, Harry, Roland, and Dennis:

I am extremely pleased to be able to recommend the NCAR Research Support Award for Roy Jenne’s Data Support Section.

I first became involved with Roy Jenne and Dennis Joseph in 1967 while I was a student participant in Jeanne Adams’ summer computer program (NCAR made a mistake in eliminating her program in my view). It became obvious to me that summer that Jenne and Joseph were exceptional individuals as compared to the general NCAR staff in their patience in dealing with students as well as their grasp of global and regional data problems. Both Jenne and Joseph seemed to have answers to even the most obscure data questions that stumped other people including staff members of the National Climatic Center.

When I left NCAR at the end of the 1967 summer I had developed a great appreciation for their skills and talents in data management. My respect for their group has grown and continues to the present day.

I hate to think how many surface and upper air data tapes as well as NMC analysis and forecast tapes that Jenne’s group has cheerfully processed for me in addition to special orders. Many of my data requests were non-routine in that different data sources had to be blended together. The work has always been promptly and efficiently carried out. I remember in particular how Jenne’s group put together special data sets for me for winter periods in 1971 and 1972 in which the 50 mb mandatory level upper air data and significant level data in time series order were blended together to create a complete upper air data set in synoptic order so that I would have an excellent quality data set. I viewed their efforts on my behalf as well beyond the call of duty.

I have had my own independent research program for eleven years now. I depend heavily upon the professionalism, cooperation, and good will of the NCAR Data Support Section to carry out my research.
Jenne's people keep me informed about changes in data sets, major errors in original sources (recent documentation by Kevin Trenberth) as well as request my input on NCAR data acquisition policies.

The NCAR data users handbook compiled by Jenne is well thumbed around here. Jenne's people constitute a unique resource to the meteorological community. I whole-heartedly endorse them for the NCAR Research Support Award.

Sincerely,

Lance F. Bosart
Associate Professor

LFB:prm
October 15, 1980

NCAR Awards Committee
ATTN: Christine Kingsland
National Center for Atmospheric Research
P.O. Box 3000
Boulder, CO 80307

Dear Committee Members:

I am writing in support of the nomination of the Data Support Section for this year’s Research Support Award. I appreciate this opportunity, as I have personally benefited from the efforts of the Section as a summer visitor, in my thesis research at the University of Washington, as a postdoctoral visitor at NCAR, and more recently in my research at the Atmospheric Sciences Research Center. In each of these unrelated situations, whether in or away from Boulder, I have found the service of the group to be excellent and deserving of the award under consideration.

Since I have worked a great deal with large data sets such as the Data Support Section handles, I can appreciate the benefit to the meteorological research community resulting from the Section’s efforts to assemble complete, homogeneous, and accessible data sets of high quality. It seems to me that Roy Jenne’s group has over the years made progress in this task at a rate which is disproportionate to its size. And they continue to do so.

Although the value of such an effort is self-evident, it is recognized most by those who have attempted to do research with large data sets. Several of my own research projects would not have been attempted if the appropriate data set were not readily available in an efficient form. Such freedom from the overwhelming task of initial data preparation has been essential for progress in this sort of research.

Finally, I would like to acknowledge the personal qualities of the individuals in the Data Support Section. From my first dealing with Roy Jenne almost ten years ago, I knew that his office was a place I could depend on for help. He and the other people there have never disappointed me, and have on occasion gone out of their way to deal with my specific problems, such as transferring data tapes from one system to another. More than once I have trudged into Roy’s group despondent over some data related problem, and come out with my spirits several notches higher. This alone to me is worth an award.

Sincerely,

Bob Pratt

Robert W. Pratt
Research Associate
October 15, 1980

The National Center for Atmospheric Research
The NCAR Awards Committee
P.O. Box 3000
Boulder, Colo. 80307

To whom it may concern:

This is a letter of recommendation that the Data Support Section be awarded the NCAR Research Support Award. Over the past six years I have had frequent contact with several members of this Section including Roy Jenne, Will Spangler, Greg Walters, and Dennis Joseph. I have known Roy Jenne for his continuous efforts in collecting data sets and for readily providing them to researchers in the meteorological and climatological community. His work has greatly contributed toward making NCAR an important research institution, and it has facilitated research elsewhere in the atmospheric sciences.

I have needed the assistance of Data Support Section members for several research projects including my Ph.D. dissertation while at the University of Colorado, and for more recent NSF and University funded projects at Ohio State. The work of the section members has been of very high quality, it is efficient and quick. Recently, I acquired on tape about 30 years of daily upper air soundings from over two dozen stations in the North American arctic. This large quantity of data was gathered from source tapes, then packed on my output tapes, and sent to me with supporting documentation within four weeks. My initial phone inquiries were handled with considerable professionalism. Support Group members are willing to answer any and all questions one may have about data sets and they are very knowledgeable about the contents of NCAR's data sets. Whether using the data at NCAR or having it sent for use elsewhere, the support offered by the group has always led to more efficient data analysis on my part, and has ultimately resulted in several research papers as well as my NCAR Cooperative thesis. The group possesses high morale which undoubtedly contributes to the cooperation I've observed between individual group members, and which ultimately leads to high quality work done for researchers elsewhere. It is also characteristic of the group to offer to do tasks which one might not initially realize need to be done for future continuance of good research. For example, they have offered to periodically update a data set I am using over the next two years of my project's duration.
October 15, 1980
Page 2

I highly recommend that the Data Support Group be awarded the NCAR Research Support Award. Their efforts over the years in collecting data and disseminating data to others has been outstanding.

Sincerely,

Jeffrey C. Rogers
Assistant Professor

JCR/j1s
NCAR Awards Committee  
NCAR  
P.O. Box 3000  
Boulder, Colorado 80307  
Attention: Christine Kingsland  

Dear Sirs:

I would like to enthusiastically endorse the nomination of Roy Jenne's Data Support Section for this year's Research Support Award. Their performance has been consistently outstanding and above average. Without their massive efforts in collecting and disseminating data over the years, observational research would be far behind what it is today. Although I have always felt that this group has been understaffed, they manage to fulfill hundreds of data requests each year promptly and at low cost.

As an example, one person in particular, Paul Muldar, has cheerfully assisted me in at least a dozen instances over the last six years. As a Computer Center visitor, I have not only received the data sets I need but get personal instruction on how to read and utilize the data. Paul has gone out of his way on several occasions to help me with problems that could have easily been deferred to someone else.

In conclusion, I sincerely believe that this group has been overworked and underrated for many years and fully deserves to receive the Research Support Award.

Sincerely yours,

[Signature]
Frederick H. Carr  
Assistant Professor

FHC/ts
September 26, 1980

NCAR Awards Committee
National Center for Atmospheric Research
P.O. Box 3000
Boulder, Colorado  80307

Dear Colleagues:

I wholeheartedly urge the NCAR Awards Committee to select the Data Support Section for this year's Research Support Award. The entire section, and in particular Roy Jenne, Paul Mulder, and Will Spangler, have given outstanding assistance to me over the last four years.

As a member of the Oregon State Climatic Research Institute, I have on numerous occasions needed to identify and obtain climatological data for diagnostic work and model development and verification. Roy Jenne's assistance in identifying potentially useful data sets was invaluable; one can obtain more complete and up-to-date information on data sets from Roy Jenne than can be obtained at any other agency including the National Climatic Center. Paul Mulder and Will Spangler have given outstanding assistance in moving data tapes from NCAR to Oregon State and in overcoming difficulties in deciphering the information.

The efforts of the Data Support Section saves resources. On the research grants I am involved in, we need less programmer support because less time is required to obtain and decipher the data. The section's efforts at cleaning-up and compacting the data sets at NCAR also save our computing resources.

I have seen the dedication of this group to their mission. The care and experience they bring to their jobs gives us confidence in the data processing and archival at NCAR and hence more confidence in our research results.

I will be happy to supply any further information the Awards Committee needs and look forward to hearing your decision.

Sincerely,

Steven Esbensen
Assistant Professor

SKE: sec
cc: Empirical Studies Group
3 October 1980

NCAR Awards Committee
Attn: Christine Kingsland
NCAR
P.O. Box 3000
Boulder, CO 80307

Dear Committee:

I would like to add my voice to that of others in the nomination and endorsement of Roy Jenne for the 1980 NCAR Research Support Award. This is based both upon my appreciation of Jenne's contributions of research data sets in support of research with which I have been associated, and upon my awareness of his participation in a variety of national and international data assembly efforts. My comments with respect to the specific criteria for nomination are:

1) Outstanding Performance. There is no other word than "outstanding" to describe Jenne's patient and efficient assembly, organization and dissemination of a wide variety of atmospheric data sets at NCAR. In spite of their much larger resources, the national services have somehow not been able to provide comparable support, and "data furnished by R. Jenne of NCAR" has become a common acknowledgement for his almost single-handed efforts over the past decade.

2) Value of Performance. Jenne's data sets have proven invaluable in our efforts to improve, validate and intercompare the seasonal performance of climate models, and in the assembly of a provisional global climatic atlas. Without Jenne's support, this research would be greatly slowed. Jenne's survey and cataloging of data sets in support of GARP and the National and World Climate Programs are widely appreciated elements of a wide range of emerging research in weather prediction, modeling and impacts studies.

3. Human Attributes. I believe it would be very difficult to find a more pleasant and cooperative person that Roy Jenne in any field, and when such a person is a colleague it greatly enriches
the entire profession. He has always responded to any request for data with a helpful enthusiasm, and is personally responsible for the high standards of data quality and documentation which are so important to the atmospheric sciences.

It is a real pleasure to be able to endorse the nomination of Jenne for this award with my highest possible recommendation; I can think of no one more deserving. In the area of research data support, Jenne is a "national treasure"!

Sincerely yours,

W. Lawrence Gates
Professor and Chairman
Department of Atmospheric Sciences

WLG/dib
September 23, 1980

Dr. Christine Kingsland
NCAR Award Committee
NCAR
P.O. Box 3000
Boulder, Colorado 80307

Dear Committee Members:

I am writing in support of the nomination of the Data Support Section for the NCAR Research Support Award.

Under the leadership of Mr. Roy Jenne, the Data Support Section has been one of the most important ingredients of the atmospheric research in the United States. Many research groups in the University community have been and are dependent on this section for the proper data supply and its efficient use. Frankly, I could not imagine the inconvenience and difficulty the scientific community would suffer without the service of this section.

The General Circulation research at the University of Missouri under my direction has been assisted by Roy and members of his section for more than ten years. The constant updating of NCAR data archives, the efficient handling of data requests and advice concerning the acquisition and use of data, and the coordination following the data acquisition are all so important to the conduct of our research.

I feel that I owe very much to Roy and his section, and I believe many meteorologists across the nation share the same feeling with me.

Sincerely yours,

Ernest C. Kung
Professor
October 2, 1980.

NCAR Awards Committee
c/o Ms. Christine Kingsland
NCAR,
P.O. Box 3000,
Boulder CO 80307.

Dear Members of the Awards Committee,

I wish to express my wholehearted support for the nomination of Roy Jenne's Data Support Section for the NCAR Research Support Award this year.

I have benefited from the invaluable services offered by Roy Jenne and his associates since 1976, when I was a graduate student at the University of Washington. At that time, I was embarking on my Ph.D. thesis project, which entailed a thorough documentation and interpretation of the observed Northern Hemisphere wintertime circulation. The cooperation and dedicated assistance of the NCAR Data Support Section in providing the necessary data resources and computer software have proved to be indispensable in the completion of my thesis research in 1978. The scientific results of this project form the basis for the publications in the enclosed bibliography. The data support by Roy Jenne and his associates has been gratefully acknowledged in nearly all these publications. A parallel project to investigate the summertime circulation is presently being pursued by Glenn H. White of the University of Washington, who has also made extensive use of the resources of the Data Support Section. These findings have shed new light on our understanding of the regional behavior of the tropospheric circulation. Jenne, White and myself are preparing an atlas of the atmospheric circulation statistics being examined in these studies. This atlas will appear shortly as an NCAR technical note, and, together with the data summary tapes archived at NCAR, should prove to be useful teaching and research tools for those engaged in research related to the general circulation.

I have maintained contact with the NCAR Data Support Section after I joined the Geophysical Fluid Dynamics Program at Princeton University in 1978. In the past year, Roy Jenne's group has readily supplied me with the necessary data for an extensive project to compare circulation statistics compiled from different sources. This study is currently
being conducted by Dr. Abraham H. Oort and myself, and should elucidate the relative merits and deficiencies of various data processing schemes.

Over the years, Roy Jenne's group has contributed in a very important way to the fulfillment of one of the key missions of NCAR — that of providing essential research services to the member universities. For their initiatives and foresight in collecting the vast amount of meteorological data resources, for their demonstrated efficiency in offering these well-documented resources to the general users, and for their high morale and cordial attitude to their endeavours, I truly believe that commendation of members of the Data Support Section by the meteorological community in general, and the NCAR staff in particular, is long overdue.

Sincerely,

Ngar-cheung Lau,
Visiting Scientist.

Encl.
LIST OF PUBLICATIONS


NCAR Awards Committee  
Attention: Ms. Christine Kingsland  
NCAR  
P.O. Box 3000  
Boulder, Colorado 80307  

To the Awards Committee:

I am writing to support the nomination of Roy Jenne's Data Support Section for the Research Support Award at NCAR. My initial contact with Roy Jenne and the data support service that he and his colleagues provide to NCAR and the atmospheric science community dates back to the Summer of 1966. At that time I was a doctoral student participating in NCAR's summer program for computer science trainees (initiated that year by Jeanne Adams). It so happened that I spent most of the summer working with Roy Jenne, and learned first-hand the laborious effort that goes into the acquisition of meteorological and oceanographic data from sources outside of NCAR. This required making accurate data sets on-line in the NCAR computer, which seemingly arrived in every type of stored array from every kind of computer that existed. Roy was a real stickler for making sure the data were copied correctly.

It was clear to me back then how important and essential it is that a place like NCAR have people like Roy to support the scientific effort with the highest quality data sets and scientific service in all respects possible. My memory is vague, but I believe that Roy left NCAR for a while (Offutt, USAF at Omaha), which must have been disappointing to NCAR management. On the other hand he was attracted into returning, which is a credit to management. The data sets that Roy and his colleagues have archived and derived for specific purposes have resulted in many high-quality scientific publications by scientists at NCAR (including co-authorship by Roy in many instances) and outside of NCAR. I'm sure that all of these papers are known by the Awards Committee and will be examined very carefully. For instance, the work done by Harry VanLoon, his students and colleagues is a fine example of important scientific findings, made possible by the Data Support Section. Also, the research efforts by Roland Madden (supported by Roy's group) has already been recognized at NCAR as outstanding scientific research.
The cooperativeness of Roy and his staff is unrelenting in all respects. My colleagues and I at Purdue have made data requests from Roy’s group on several occasions. The response has always been prompt and complete. Last summer (1979) I needed some Northern Hemisphere climatological data summaries that Bill Spangler promptly provided on microfilm. These data summaries already had compiled many of the statistics I was interested in looking at, which resulted in little to no effort on my part to check on the few points of interest. This rather small example, nonetheless, serves to show the scientific insight and needs that are recognized by the Data Support Section.

In summary I believe that Roy and his group have met, with the highest possible standards, all of the criteria listed for the NCAR Research Support Award. I give my highest endorsement of his nomination.

Cordially yours,

Ernest M. Agee
Professor

EMA/1ch
September 24, 1980

Chester W. Newton  
National Center for Atmospheric Research  
P.O. Box 3000  
Boulder, CO 80307

Dear Chester,

I would like to take this opportunity to furnish my support to your groups’ nomination of Roy Jenne’s Data Support Section for this year’s Research Support Award at NCAR. I am personally acquainted with some of the members of the Data Support Section and, on a number of occasions over the past several years, this group has played a prominent role in my research endeavors by responding to data requests. Whether or not the request could be met, the individual group member with whom I was corresponding was always extremely helpful and cooperative. Given below are two recent examples of the impact that this group has had on my research activities.

The first example occurred early this year and involves an instance in which my data requests were satisfied. The group member who was most responsible for satisfying this request was Will Spangler. I inquired about the availability of NMC forecast data for a case study I was researching and was informed by Will what my various options were. Once my decision was reached, I telephoned Will again and informed him of my request. In a relatively short period of time I received a hard copy of my requested data with complete instructions for decoding. The data consisted of values of 12h and 24h forecast geopotential heights at selected pressure levels from NMC’s octogonal grid for two days in June 1972. After plotting and analyzing these data, I combined them with observed data and used them to compute forecast errors in the height field, primarily in the vicinity of hurricane Agnes. The results were significant and made a major contribution to talks I presented at Imperial College, London in June; at an international conference at Bergen, Norway in June; and at a seminar at Purdue a few weeks ago. Also, I have included these results in a paper recently submitted for publication to Tellus and they are partly responsible for my decision to spend six months of my sabbatical leave next year at NMC.

The second example occurred last month and involves an instance in which my data needs could not be satisfied. The group member with whom I corresponded was Dennis Joseph. I inquired about the possibility of acquiring detailed surface data, including hourly precipitation data for SESAME. Although,
these data were not yet available at NCAR, Dennis offered some helpful suggestions for people to contact which led to my subsequent receipt of the data. These data will provide substantial support to my research project and to two theses by my graduate students.

In addition to the two examples cited above, and others of a similar nature, there have been numerous occasions when the Data Support Section has fulfilled the needs of a joint project I conducted at NCAR with Tom Schlatter for the five year period 1975-1979.

For the reasons noted above, I am pleased to recommend for, and endorse your group's nomination of the Data Support Section for the 1980 NCAR Research Support Award. This group's recognition is long overdue.

Sincerely,

Dayton

Dayton G. Vincent
Associate Professor

DGV:db
NCAR Awards Committee
National Center for Atmospheric Research
Box 3000
Boulder, Colorado 80307

Attention: Ms. Christine Kingsland

Dear Awards Committee Members:

I would like to recommend Roy Jenne's Data Support Section for the Research Support Award this year. The members of that section: Roy Jenne, Dean Fry, Dennis Joseph, Paul Mulder, Will Spangler, and Greg Walters have been performing outstanding service to the University visitors for a long time. I have been provided service by that group since June 1972. I have documented in brief below evidence supporting their promptness in answering our requests, willingness to cooperate with us in searching for data, and unselfishly giving their time in securing data when the visitors leave for their home institution. I believe the last two acts come under the category, "beyond the normal call of duty".

In June 1972 I visited NCAR as a colloquium participant (on Tropical Meteorology). Along with a student of mine, R. Bunting, I needed some digital satellite data and approached Roy Jenne. Instead of saying simply, "the data is on a certain tape", he explained to us the uniqueness and the quality of that data and where additional data of that type might be available.

Roy asked me a few times about the tropical data from the Indian stations. He wanted to build up a good quality data base for the tropics. I saw him in New Delhi in 1977 while attending the Symposium on Monsoons. Both of us met the Director General of Observatories together for the Indian data. Roy presented some arguments about the formatting and structuring of data and went personally to Pune, to ensure that his suggestions were followed up. This effort is undoubtedly a work of dedication and striving for excellence.

As a visitor to the GATE group, I had the occasion to meet Dean Fry several times. He was quite helpful to the many who approached him with a problem. For the first time an occasion developed in 1978 where I wanted to use the NCAR Electra data. Instead of simply saying "these are the microfilms", he sat with me and showed in detail a good portion of the film, and explained how to use the information. I believe he spent at least a couple of hours with me-postponing what ever he was doing then-- another instance of interest in visitors and their work. His explanation of only two hours has produced
a lasting effect on me and my student, Jay Haney, in terms of aerial data comprehension and usage.

Greg Walters, with the recommendation of Roy, obtained for me in 1977 a set of topographical data and sent it to St. Louis University—an example of promptness, and readiness to oblige the visitors.

In 1978 as well as in 1980, Paul Mulder helped me to get the printout of certain NMC data—once again without showing any sign of disinterest. In fact, in August 1980, when I was unable to get into the tapes and gave up hope of getting the data he acted upon a little note I left in his office and produced the data the next time I visited him. People seldom provide that kind of unselfish service these days.

There are numerous instances when my students and myself were helped by the Data Support Section. The above are only a few that I could readily recall. This section is without question providing excellent service to the research community. In my opinion, they richly deserve the Research Support Award.

Sincerely,

[Signature]

Candikota V. Rao
Professor of Meteorology
20 November 1980

NCAR Awards Committee
c/o Christine Kingsland
NCAR
P.O. Box 3000
Boulder, Colorado 80307

Dear Ms. Kingsland:

I understand that the Research Support Award at NCAR will be awarded soon and that Roy Jenne's Data Support Section is being considered for this award. Over the past several years in which my group at Stanford has been working in collaboration with NCAR Roy Jenne and his group have always been most helpful to us. I believe that the data support service that they provide is an invaluable resource, and yet is the sort of thing which could easily be overlooked by comparison with more glamorous activities. I really feel that this Group would be very deserving of your Award, and hope that they will receive it.

With best wishes,

Sincerely yours,

John M. Wilcox

JMW/ja
October 3, 1980

Ms. Christine Kingsland  
N.C.A.R. Awards Committee  
National Center for Atmospheric Research  
P.O. Box 3000, Boulder, Colorado 80307

Dear Ms. Kingsland:

We are pleased to have this opportunity to recommend Roy Jenne's Data Support Section of N.C.A.R. for the N.C.A.R. Research Support Award. Our interaction with this group dates back to September 1974 and includes the summer of 1975, the fall of 1977, December 1978 as well as other occasions. The support we requested covered a broad range of data sources and types, and involved our personal communication with Roy Jenne, Paul Mulder and Will Spangler. Consequently we feel well qualified to comment upon the section's performance.

The professional quality of the provided services has been exceptionally high. From the time lapse weather map movie sequences (that Roy personally took the time to display in 1974), to numerous subsequent occasions when we requested data and related documentation, the Section's concern for the user has been most obvious. The group has consistently displayed remarkable awareness of and control over surprisingly detailed aspects of their voluminous archives. As a result, we have always received virtually immediate help and access to data tapes, cards and films. In the process, the Data Support Section has consistently promoted N.C.A.R.'s uniquely accessible role for university scientists, and they have done so with professional style, courtesy and concern.

The Section's assistance has been of substantial value in our own professional endeavours. Three technical articles, one doctoral dissertation and four masters theses published by our group have relied heavily upon the Data Support Section. Other articles, using their archives are still being processed. Several times each academic year we have displayed their time lapse weather map movies to graduate and undergraduate courses. Our lectures have been well enhanced by these.

It is clear that a great deal of diagnostic data investigations performed by a number of scientists relying upon the Data Support Section are commonly held in high regard. The crucial role played by the archivist is quite obvious in the acknowledgements given in the documentation of these works.

The respect and consideration with which this group has treated us has also been extended to our students and closely associated colleagues. This type of interaction can only enhance the overall morale and work productivity.

We strongly endorse this nomination, because the individuals involved are richly deserving.

Jan Paegle  
Associate Professor

Julia Paegle  
Associate Professor
NCAR Awards Committee  
Att. Christine Kingsland  
NCAR, P.O. Box 3000  
Boulder, CO, 80307

Subj. Letter of Recommendation for Roy Jenne and the Data Support Section

Gentlemen,

It is with extreme pleasure that I am privileged to write this letter for Roy Jenne and his group. Roy is a truly outstanding and deserving member of the NCAR scientific community. I have known Roy now for many years, both as a Member Representative from our University (U.Wisconsin/Madison), for the last 5 years as Trustee of UCAR, and as a working scientist with numerous requests for data and advice on data handling for him personally and his Data Support Group.

Roy has helped me (and also many colleagues at UW/Madison) immensely in a large variety of data problems, such as the sea level pressure data set and its continuation by the NWS data transmissions, the World Weather Record tapes and many more. He not only worked with me personally but also arranged for support from his co-workers, especially Denny Joseph and Paul Mulder. Their vast knowledge of data sources, their peculiarities and problem areas in working with the data are invaluable for researchers and I am certain that many others will comment in a similar manner. But quite apart from all these technical questions I also would like to comment on Roy's personal qualities: an unfailing good humor, a willingness to do no less than his very best and a personal willingness to help anybody who encounters problems either professionally or personal. The same qualities are instilled by him to his co-workers. I should, maybe, add that I believe that to some degree my frequent mentioning of Roy's qualities may have helped to bring Roy the well-deserved recognition as Senior Scientist a few years back. I have always supported him and believe sincerely that he and his group are worthy candidates for the Outstanding Performance Award. I hope he and his group are chosen!

With my best regards to all members of your Committee

Sincerely

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Prof. Dr. E.W. Wahl  
Resident Director
Ms. Christine Kingsland  
NCAR Awards Committee  
National Center for Atmospheric Research  
P. O. Box 3000  
Boulder, Colorado  80307  

Dear Ms. Kingsland:  

I am writing you in support of the nomination of the NCAR Data Support Section for this year's Research Support Award.  

Over the course of the past ten years I have called upon Roy Jenne and his group on numerous occasions for the purpose of obtaining data sets for my research. I have been continually impressed by the performance of this group, both in terms of the quality of the data sets that they have produced for dissemination to the university community and also in terms of the strong spirit of cooperation and dedication that they have shown. During the course of this period I have had considerable interaction, not only with Roy Jenne, the chief of the group, but also with Dennis Joseph, Paul Mulder and Will Spangler. Without exception our requests for data have been handled quickly and competently. The availability of these data sets through the NCAR Support Section has resulted in a substantial savings in the cost of doing research as well as a large reduction in the fraction of the time which my graduate students and I need to devote to computer programming for the purpose of data processing.  

I believe that this group is exceptional, not only for the service that they have rendered to the university community in making data sets available, but for the leadership that they have shown in the broader scientific community in the field of data archiving. Their efforts over the past decade have had a major impact on the way meteorological data are processed in this country and around the world.  

Sincerely yours,  

J. M. Wallace  

JMW:imq
Attention NCAR Awards Committee:

I am pleased to write a letter recommending the Data Support Section for the NCAR Research Support Award.

The support of the Data Support Section to research in the atmospheric sciences has clearly been exceptional. Much of the meteorological research at universities and government laboratories as well as that of NCAR scientists has benefited from the dedication and hard work of this group. The Data Support Section contributed to my own research by providing archived observational data and NMC analyses.

The archival of meteorological datasets requires a high degree of competency and accuracy because of the wide variety of data formats and analysis procedures. Over the years the Data Support Section has performed this valuable function for the scientific community in exemplary fashion.

Sincerely,

Wayman Baker
Meteorologist
October 8, 1980
OA/W352/EMR

TO: NCAR Awards Committee

FROM: W352 – Eugene M. Rasmusson

SUBJECT: NCAR Research Support Award

I am extremely pleased to have this opportunity to express my appreciation to the Data Support Group for their many years of outstanding service to the research community, and to strongly second their nomination for the Research Support Award of NCAR.

During the past decade, this group has developed a research-oriented data archive which is unique in terms of its comprehensiveness and usefulness. Central to their success has been the recognition, often overlooked by data management groups, that the economical retrieval of data in usable form is the key to a successful archival system. Consequently, it is in the area of assembly and synthesis of the basic data into readily available, easily usable and economical data sets which has distinguished their efforts. Having spent nearly a decade with the Environmental Data and Information Service of NOAA, I am probably more aware than most of the dedication, insight and careful decisions required to produce quality data sets which effectively satisfy a wide range of user needs.

It is, however, the spirit in which this group views its mission that is the cornerstone of their success. It is always a pleasure to deal with members of the group, simply because of their pleasant and cooperative manner, and total lack of defensiveness or bureaucratic hang-ups. It becomes immediately clear that their prime motivation is one of service. It has never been necessary for me to remind them of a commitment or to follow up on a request. This group delivers!

It is a very special type of individual who gets his "kicks" out of meticulously preparing data for studies by others where his only recognition may be one line in the "Acknowledgments" section of a paper. Yet, the value of their work is readily apparent in almost any issue of JAS or MWR in the form of papers made possible, either directly or indirectly, by their efforts. It is time that the true worth of this group receives formal recognition.

V
To: NCAR Awards Committee

Letter of Recommendation

Herewith, I should like to recommend

Roy Jenne's Data Support Section

for the "Research Support Award" at NCAR.

Since many years the work of the Stratospheric Research Group of the Free University in Berlin has benefited from the support of Roy Jenne's Group. Their tireless efforts to collect and provide data sets over the past several years have been outstanding and their support of my group here in Berlin is invaluable. I should like to stress that I could not get any similar support from my own Weather Service.

The quality and the efficiency of the overall performance of Roy Jenne's Group is well known throughout the scientific community, and many research projects all over the world could not be carried out without the support of that group.

In addition, it has always been a pleasure to cooperate with this Group because of their dedication to their work.

Sincerely yours,

Prof. Karin Labitzke
Dr. Chester W. Newton  
Empirical Studies Group  
Climate Section, AAP  
National Center for Atmospheric Research  
P.O. Box 3000  
Boulder, Colorado 80307  
U.S.A.

Ref: 1491/JS 14 October 1980

Dear Chester et al,

It gives me great pleasure to provide a letter of recommendation on behalf of Roy Jenne's Data Support Section for the Research Support Award of NCAR.

This Section has provided an invaluable resource to meet not only your national requirements but it also has been of great benefit to the international community. This support has been available over a long period of time and has facilitated GARP activities and becomes increasingly important for the research efforts under the umbrella of the World Climate Programme. Dr. Bill Gibbs of Australia, who is just processing a paper for the China Conference, has spoken of the difficulty of obtaining rainfall data for drought studies until they turned to Roy Jenne's Section. Dr. B.W. Boville has received fast, efficient and truly exceptional service in requests for world-wide long term climate data.

Over the past year Roy Jenne, supported by his Section, has provided very valuable assistance to the WCP and he has worked diligently to help get the World Climate Data Programme off the ground.

The works of the NCAR Data Support Section has been outstanding and strong support for it and encouragement of similar groups around the world is absolutely essential to the work of national and international climate research. Thus I am pleased to give my strongest support to this recommendation on behalf of myself and other members of the staff here.

Yours sincerely,

Bo R. Döös
NCAR RESEARCH SUPPORT AWARD

1. **Performance** - The performance of this Section has been exceptional and far above normal. The personnel have foreseen special needs for data sets and have led the way in providing quality-controlled and complete climate data sets. In many cases these sets are unobtainable elsewhere in the world.

2. **Value** - A very high value must be placed on this work since it has greatly facilitated world-wide meteorological and climate research. In addition it has enabled research work in depth - well beyond that so often based only on long-term means rather than full statistical distributions.

3. **Human attributes** - The cooperation and through-put of this Section is to some of us amazing. On travel through NCAR (or on request) data have been made available in useable form (tape or microfilm) in very short time and on short notice. The staff have always been helpful and courteous and obviously dedicated to the tasks at hand.