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### Climate Committee Documents, 1986-2013

Long Term Ecological Research Network

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1) Study for info  
# file

DEPARTMENT OF GEOGRAPHY  
Campus Box 260  
UNIVERSITY OF COLORADO  
BOULDER  
COLORADO 80309

September 26, 1984

Dr. Jerry F. Franklin  
U.S. Forest Service  
Pacific Northwest Forest and Range Experiment Station  
Forestry Sciences Laboratory  
3200 Jefferson Way  
Corvallis  
Oregon 97331.

Dear Dr. Franklin:

Thank you for your helpful response to my letter of July 30th regarding the potential activities of an LTER climate committee. The enclosed letter to LTER PIs and others is the first step in this activity. I will keep you informed as the project progresses.

Thank you for your cooperation,

*D. E. Greenland.*

David Greenland,  
Professor of Geography.

c.c. Dr. Patrick J. Webber, P.I. CULTER, Niwot Ridge/Green Lakes.

SAMPLE DRAFT ONLY

September 26, 1984

Dr. Larry Ragsdale  
Department of Biology  
Emory University  
Atlanta  
GA.

Dear Dr. Ragsdale:

LTER CLIMATOLOGY COMMITTEE

Dr. Jerry Franklin has encouraged me to pursue the idea of developing an inter LTER site climatology committee that could serve the interests of the LTER project in areas where these interests relate to some aspect of atmospheric science.

I have suggested to Dr. Franklin several potential functions of such a committee and the two which appear to have most urgency are :

- 1) The completion of a document on standardization of meteorological observations at LTER sites. This document was substantially finished by an earlier committee but requires finalization and dissemination.
- 2) The production of a document describing the climate and relevant aspects of the bioclimate for each LTER site.

In order to identify persons who might be interested in these activities I am writing to all members of the original meteorological committee and all site PIs. If you, yourself, are interested in helping with this, or you know of anyone who is, or you feel ought to be, I would appreciate it if you would let me know. I intend to put together a proposal for this work for LTER coordination funds and consequently I need to have some idea of the personnel who might be involved. Since I would like to get this project started at an early date I would appreciate it if you would indicate your potential interest by October 26th. After this time I will proceed with whatever responses I have.

Please let me know if your site would like to join in this work.

Thank you for your cooperation,

Yours sincerely,

David Greenland,  
Professor of Geography,  
Niwot Ridge-Green Lakes LTER Site.

A Proposal To

Long Term Ecological Research Coordinating Committee

For

ESTABLISHMENT AND OPERATION OF AN LTER CLIMATE COORDINATING  
COMMITTEE

By David Greenland  
Professor of Geography  
Department of Geography  
Campus Box 260  
University of Colorado  
Boulder, CO 80309.

University of Colorado Long Term Ecological Research  
Niwot Ridge Green Lakes Valley Site

March 20, 1985.

## PREFACE

Climatological information is essential to the LTER program as a whole. At the Itasca LTER 'All-Scientist' meetings last May all of the keynote speakers, in one way or another, related their long term research to climatic variables. In many cases records of climatic variables are the only truly 'long term' records at individual LTER sites. Although there are other possibilities, climatological analyses present an obvious method of comparison across all LTER sites.

In the first few years of the LTER program a meteorological committee existed whose main function was to provide a draft document on the standardization of meteorological observations at LTER sites. The present proposal seeks to establish a similar committee to serve the LTER program as a whole. Addressed below are the questions of the nature of the committee and its objectives, its justification in the context of the LTER program, proposed participants and individuals invited from non-LTER sites, planned products, and a budget.

## NATURE AND OBJECTIVES OF THE COMMITTEE

Based on the experience of the previous committee which worked well because of its small size and on responses to an initial letter of enquiry, it is suggested the the new climate committee be composed of two overlapping groups of individuals. One group would be a small working group consisting of persons who are actually willing to do some work, and the second group would be site PIs or their representatives who would act mainly in an advisory capacity. These groups, which to some extent, may well have the same people in them will be designated the "Working Group" and the "Advisory Group". During the first year most of the work of the committee will be accomplished by mail and phone. Results of the activities of the working group will be transmitted to the advising group for approval at six monthly intervals. If a need for a physical meeting of personnel becomes apparent it will be the subject of a separate proposal as will the continuance of the climate committee into successive years.

The principal objectives of the working committee for the first year are:

- 1) To complete and disseminate the document on standardization of meteorological observations at LTER sites.
- 2) To produce a document describing the climate and relevant aspects of the bioclimate at each LTER site.
- 3) To produce a proposal for the continuing activity of the committee.

In the later years the following might be appropriate activities for the Climate Committee:

# Organizing workshops dealing with cross LTER site themes in bioclimatology. Examples of these themes might be: Climatic stress on flora and fauna, Climatic change at LTER sites, Water and energy budget comparisons, Bioclimatic classification at LTER sites.

One respondent to an enquiry letter stated interest in developing and testing on an intersite basis climatic parameters that more closely represent the forcing functions for biological activity. "Some of man's favorite measurements and means are more valuable to the record books than for defining the environment of the organism" (Lloyd Swift).

# Providing a pool of expertise in atmospheric science (especially bioclimatology) that could be called upon by other LTER investigators.

# Acting as a quality control supervisor for LTER climatic data.

# Coordinating with LTER data organizers with respect to the handling and analysis of climatic data.

#### JUSTIFICATION FOR AN LTER CLIMATE COMMITTEE

The atmospheric environment is very important to all ecosystems and interacts with the components of the systems in many direct and indirect ways. Biological science has long had an important interface with atmospheric science but it is a difficult interface with which to deal not least because scientists usually have exclusive training in one or the other of the disciplines. The LTER Climate committee would have a primary function to bridge the gap between the disciplines. On the one hand it would provide a service function to make sure that the appropriate atmospheric environmental information was available for LTER biologists. On the other hand it would play a stimulatory function to help biologists ask the suitable questions of the atmospheric data.

The service function is very important. For example, the process of standardization of data collection and analysis will, in the long run, save much time and money particularly with respect to the production of cross site comparisons. A current difficulty with comparisons in acidification effects research is the lack of standardization from one experiment to another. The stimulatory function, however, may be more exciting. By working with an biological investigator to find what precise type of atmospheric data they need will in many cases sharpen the investigation considerably. A study, for example, might be much improved by the measurement of photosynthetically active radiation instead of global solar radiation. Even in the present proposal it will be very challenging to design the format of, and to decide on, the variables to be included in a document that provides useful first order description of the bioclimate of the LTER sites.

#### PROPOSED PARTICIPANTS

A letter soliciting interest in the climate committee was sent last fall to all members of the original meteorological

committee and all site PIs.

The following persons expressed interest in being actively associated with the climate committee and thus are suggested, along with the proposer (who would to act as chair and coordinator) to form the members of the working committee:

Dr. David Greenland. Niwot Ridge Green Lakes Site. Chair and  
Coordinator.

Dr. Lloyd Swift. Coweeta Site.

Dr. Art McKee. Andrews Site.

Drs. William Michener and Bjorn Kjerfve. North Inlet Site.

Dr. L. Dean Bark. Konza Site.

Dr. Wayne Wendland. Illinois Rivers.

Drs. William Lauenroth and William Parton. Pawnee Grasslands Site.

The coordinator would receive one month's salary compensation and the members of the working committee would receive a \$250 honorarium. The coordinator's salary and the honoraria would come from individual site budgets and be paid out of the first year budget of LTER Phase II.

The following persons responded that they are in favor of the establishment of a climate committee and would act as contact persons for their sites:

Dr. John Tester. Cedar Creek Site.

Dr. John Magnuson. Wisconsin Lakes Site.

It is suggested that these and the PIs from site which did not respond become the members of the Advisory committee.

It is anticipated that there will be personnel changes as the project progresses. At this stage it does not seem necessary to call upon the help of non-LTER personnel. This will become more important when workshops on specific topics are planned later. One exception to this is that it is convenient to call upon the expertise of Dr. David Gates who is currently on sabbatical at the University of Colorado for advice in designing the two documents proposed.

#### PLANNED PRODUCTS

The principal tangible products resulting from this committee are two documents; one on the standardization of climatic measurements and one describing the bioclimates at the LTER sites.

The standardization document is almost complete. The previous committee decided that there would be a three level approach to climatological measurements at LTER sites. This would be expedient because different sites would like to support their climatological studies at a variety of budgeting levels. The levels 1 to 3 display increasing sophistication in the

atmospheric measurements to be taken. The handbook dealing with the first two levels is virtually complete and needs only final editing. This was the work of Drs. Ragsdale and Swift at the Coweeta site. The third part was planned to deal with quite sophisticated, usually short term, observations such as energy budget observations. The difficulty with this part is the large variety of potential measurements that could be taken. It will be suggested that we substitute for this part an annotated bibliography guiding investigators to the kinds of measurements that could be taken in this category and some manuals on how the observation may be performed. When this document is finished it is suggested that about fifty copies be made to allow for the distribution of three copies to each site.

The climate description document project will proceed in the following manner:

- 1) Working group members will be given a brief working paper suggesting the climatic information to be obtained from each site and the format of the bioclimatic description at each site. This will include a list of the climatic variables needed and the form in which these variables should be reported. Also it will deal with the kinds of analyses, if any, that should be done for each site and give an example of a qualitative description of the synoptic climatology at the site and certain specific bioclimatic factors that are particularly relevant at any given site. The members will be asked to modify the paper and the coordinator will then synthesize suggestions into a model that can be used for the climatic description.
- 2) Each member and the coordinator will be assigned one or two sites (including their own) and have the responsibility for obtaining the required data and completing the climatic description in the agreed upon format and submitting the resulting copy to the coordinator.
- 3) The coordinator would ensure compatibility and would write an overview and other necessary editorial material for the document and subsequently guide it through publication. He would be aided in this by the editorial staff of the Institute of Arctic and Alpine Research particularly the managing editor of Arctic and Alpine Research Ms. Kathleen Salzberg. A certain number of free copies of the document would be available to the LTER sites and a charge would be made for further copies.

Progress on both documents would be made simultaneously. Work would start on July 1, 1985 and the entire project would be attempted to be completed by the end of the first budget year of phase II, December 31, 1986.



PROPOSED BUDGET

LTER Coordinating Committee

Proposed Budget  
7/1/85 - 12/31/86

Institution: The Regents of the University of Colorado, Boulder,  
Colorado, 80309.

Project Title: Establishment of LTER Climate Committee

Desired Starting Date: July 1, 1985 Duration: 18 Months.

Principal Investigator: David E. Greenland.

	1985	1986
A. Salaries and Wages	None	
B. Fringe Benefits	None	
C. Permanent Equipment	None	
D. Travel Domestic	None	
E. Publication Costs		
Printing, copying and drafting services	1000	3000
F. Computer Services		
	1500	1000
G. Other Direct Costs		
Phone and postage		
Typing services, General stationary		
and PC supplies		
Total Other Direct Costs	1000	1000
	====	====
Total Direct Costs	3500	5000

#### H. Indirect Costs

INSTAAR has agreed to bankroll expenses pending refund from LTER Coordinating Committee thus eliminating overhead costs.

Total indirect costs	None	
	1985	1986
I. Total Costs	3500	5000

TOTAL COSTS REQUESTED FROM LTER COORDINATING COMMITTEE FOR 18 MONTHS : \$8,500

#### COSTS TO BE PAID BY CULTER IN 1986

##### A. Salaries

Principal Investigator: D. Greenland. 100% time, 1 summer month	4269
Editorial Assistant 50% time, 1 month	1000
Total Salaries and Wages	<u>5269</u>

##### B. Fringe Benefits

Faculty: TIAA(5%), Social Security( 7.05% in AY 1985), Group Insurance (\$48.5/mo.) TIAA disability insurance (\$13/mo), Workers compensation (0.667%) and Unemployment insurance (0.265%).	1620.28
Staff: PERA(12.2%) Group insurance (\$54/mo) Workers compensation (0.667%) Unemployment insurance (0.265%)	158
Total Fringe Benefits	<u>1778.28</u>
TOTAL	7047.28

#### COSTS TO BE PAID BY OTHER LTER SITES IN 1986

Working Committee members honoraria 6 @ \$500	\$3000
TOTAL	\$3000

UNIVERSITY OF COLORADO, BOULDER

Niwot Ridge/Green Lakes Valley  
Long-Term, Ecological Research (LTER)



2 April 1985

Dear LTER PIs and Climatologists:

Enclosed is a proposal from the University of Colorado LTER site for the establishment of an LTER Climate Committee. The proposal seeks to establish a central committee on climate whose function would be to complete the document on standardization of meteorological observations at LTER sites as well as to document the climate at each LTER site. A further objective of this proposal is to provide for the continuation of the climate committee.

This proposal has already been sent to Jerry Franklin of the Central Coordinating Committee; it is being sent to you for your comments. If you have any questions concerning this proposal, please feel free to contact Dave Greenland at (303) 492-8694. In addition, please send any comments concerning the merits of the proposal directly to Dr. Franklin. Thank you for your time.

Yours sincerely,

A handwritten signature in cursive script that reads 'Pat Webber'.

Patrick J. Webber  
Director, INSTAAR

PJW:kpi  
Enclosure.  
cc: Dr. Jerry Franklin  
Dr. David Greenland



United States  
Department of  
Agriculture

Forest  
Service

Coweeta Hydrologic Laboratory  
999 Coweeta Lab Road, Otto, North Carolina 28763

Reply to:

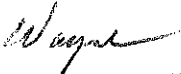
Date: April 9, 1985

Dr. Jerry F. Franklin  
Central Coordinating Committee, LTER  
Forestry Sciences Laboratory  
3200 Jefferson Way Corvallis, Oregon 97331

Dear Jerry:

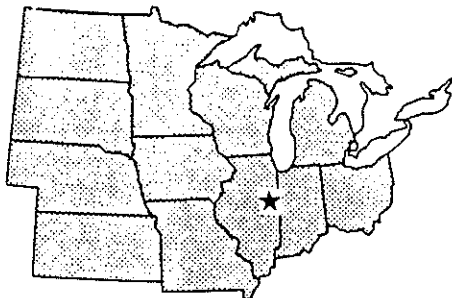
David Greenland has proposed reestablishment of the meteorological interest group within LTER as a continuing committee with defined objectives and membership.

We have reviewed his proposal and subscribed to the goals Greenland has outlined. Lloyd Swift has a strong interest in working with the new committee. I support his serving on the "working group" as proposed. However, no special allocation of funds is possible for this function in the first year of our Phase II proposal. His time will be contributed as part of the Forest Service participation in LTER. Any travel associated with Swifts participation would have to be covered by additional funding.

  
WAYNE T. SWANK  
Project Leader

cc: David Greenland





Illinois State Water Survey  
605 East Springfield Avenue  
P.O. Box 5050, Station A  
Champaign, Illinois 61820  
217/333-4261

North Central Regional Climate Center

April 11, 1985

Dr David Greenland  
Dept. of Geography  
Campus Box 260  
Univ. of Colorado  
Boulder CO 80309

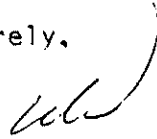
Dear David:

Relative to the letter recently distributed by Pat Webber, I would like to contribute to a LTER central committee on climate. I'm particularly interested in the preparation of synoptic climatological descriptions of the sites, in light of our past work with airstream climatology, and with the many contributions from the Water Survey. During the past 15 years or so, several publications have been prepared on the return frequencies of specific drought or extreme precipitation events within the state. These studies will do much toward estimating the impact of these climatological events on the local ecology of the Illinois and Mississippi Rivers. In addition, the hydrologic budget during the period of snow melt is of considerable interest to our project, but also to others. We monitor soil temperature, snow depth, and frost depth at several tens of sites in the state, and solar radiation, wind and the more common meteorological parameters at 14 state-supported sites.

The North Central Regional Climate Center (housed here) may also be able to help in the gathering of similar data from several states as necessary. The Region includes 12 states bounded by North Dakota, Kansas and Ohio. We serve as coordinator between the State Climatologists and others, particularly when data or information are required from multi-state areas.

Please keep me appraised of developments.

Sincerely,

  
Wayne M. Wendland, Director  
North Central Regional Climate Center  
Illinois State Water Survey  
217-333-0729

cc: Dr. Patrick Webber ✓

RECEIVED  
APR 15 1985  
INSTAAR

COLLEGE OF ARTS AND SCIENCES  
DEPARTMENT OF BIOLOGY  
Box 3AF/Las Cruces, New Mexico 88003  
Telephone (505) 646-3611

12 April 1985



Jerry Franklin, Chairman  
Forestry Sciences Laboratory  
3200 Jefferson Way  
Corvallis, OR 97331

Dear Jerry,

I have reviewed the U. of Colorado proposal for establishment of an LTER climate committee and have the following comments:

- 1) At the Ventura meeting, it was pointed out that the coordinating grant cannot pay salaries for proposed work. That is a peer review function of the NSF program not of a grant after the grant has been awarded.
- 2) At the Ventura meeting, we approved funds for the meteorological workshop in conjunction with the data management meeting to be held in January 1986. In Ventura, there was sufficient support for that workshop approach that we recommended additional funds be approved to give that group every opportunity to publish the results of their climate data (long-term sets) in peer-reviewed journals.
- 3) From this proposal I cannot help but assume that the publication would be another internal LTER document. This smacks of the worst of my IBP experiences - publication of uncritically reviewed internal reports and documents.

There may be merit in a climatological committee but consider the following:

- 1) LTER climate stations are in place, it is doubtful that "new" long-term measurements will be implemented across the network.
- 2) Microclimate measurements should be focused on addressing questions. If the questions to be addressed are network wide, then we will need to organize a meeting to standardize those measurements.

Because of the problems listed above, I cannot support this proposal.

Sincerely,

A handwritten signature in cursive script, appearing to read 'W.G. Whitford'.

W.G. Whitford  
Jornada LTER



# THE UNIVERSITY OF GEORGIA

DEPARTMENT OF ZOOLOGY, ATHENS, GEORGIA 30602 PHONE (404) 542-3310

April 16, 1985

Dr. Jerry Franklin  
Oregon State University  
Dept. of Forest Science  
Corvallis, Oregon 97331-5704

Dear Jerry:

Responding to your communication of April 3, I think that in principle Dr. David Greenland's proposal to establish an LTER Climate Coordinating Committee is an acceptable idea. The effort is needed, the initial cost is small enough to warrant a trial, and for these reasons I favor the proposal. I think that the PI Advisory Committee should review the state of progress closely at the end of 18 months in order to define LTER's further commitment to climatological coordinating activities.

With respect to Bruce Haines' proposal work on sulphur gas emissions from the forest floor, I am in favor of this study. The budget is small, and almost certainly it will yield one or more papers or components of papers. I have one point of confusion, and that is Bruce's several references to Seattle and Cedar Creek in the same breath. I take it that Seattle Cedar Creek site is different from the LTER site in Minnesota.

Sincerely,

*Bernie.*

Bernard C. Patten  
Professor of Zoology

BCP/jre



*Judy*

Natural Resource Ecology Laboratory

Colorado State University  
Fort Collins, Colorado  
80523

April 18, 1985

Dr. Jerry F. Franklin  
U.S. Forest Service  
Pacific Northwest Forest and  
Range Experiment Station  
Forestry Sciences Laboratory  
3200 Jefferson Way  
Corvallis, OR 97331

Dear Jerry:

I want to briefly express our support for the proposed LTER Climate Committee. We very definitely would like to be involved on that committee and, in fact, probably take some kind of leadership role. We could be very closely associated with the group at Boulder, particularly Dave Greenland. Because we are so close, some good initial interactions could be forthcoming. The two individuals from CSU who would be most interested in such a committee would be Bill Lauenroth and Bill Parton.

Sincerely,

Robert G. Woodmansee  
Director  
Professor of Range Science

RGW/alb

xc: Dr. David Greenland  
Dr. Patrick Webber



DEPARTMENT OF GEOGRAPHY  
Campus Box 260  
UNIVERSITY OF COLORADO  
BOULDER  
COLORADO 80309

June 24, 1985

Dr. Jerry F. Franklin  
U.S. Forest Service  
Pacific Northwest Forest and Range Experiment Station  
Forestry Sciences Laboratory  
3200 Jefferson Way  
Corvallis  
Oregon 97331.

Dear Dr. Franklin:

Dr. Webber has informed me that Mr. Callahan has expressed support for the Climate Committee proposal that I sent you. I have also had a number of other supportive letters and conversations concerning the proposal from and with other LTER investigators. I am wondering therefore if you could tell me the status of this proposal.

Thank you for your cooperation,

*D. E. Greenland.*

David Greenland.  
Professor of Geography.

c.c. Dr. Patrick J. Webber. P.I. CULTER. Niwot Ridge/Green Lakes.

Judy  
ENR

## State Natural History Survey Division



Natural Resources Building  
607 East Peabody Drive  
Champaign, IL 61820  
217/333-6880

Illinois Department of  
Energy and Natural Resources

River Research Laboratory  
P.O. Box 599  
Havana, IL 62644

12 July 1985

Dr. Jerry F. Franklin  
Dept. of Forest Science  
Oregon State University  
Corvallis, OR 97331-5704

Dear Jerry:

I received a telephone call from Judy Brenneman yesterday and I am responding in writing to her request for information about the two intersite proposals and the fall meeting of the LTER Steering Committee.

I support David Greenland's proposal for the establishment and operation of an LTER Climate Coordinating Committee. I suspect this committee will be more useful to other sites than to ours, because our large rivers are affected by regional weather patterns, such as snowmelt in the upper midwest and rainfall over large areas. We set up temporary meteorological stations during intensive biological sampling periods of one week, in order to assess the effects of short-term wind events and the resulting waves and secondary flow patterns in transport of organic matter from aquatic plantbeds to offshore areas. We do not operate our own meteorological stations on a continuous basis as most of the other sites apparently do. My one concern about the proposal refers to the comments on page 4 about the coordinator's salary and the honoraria coming from the individual site budgets. This would seem to be a good use for the funds from the coordination budget. Dr. Wayne Wendland, whose address and phone number are given below, would be our representative to the Climate Committee, if it is formed:

Dr. Wayne Wendland  
Illinois Water Survey  
Research Center  
2204 Griffith Drive  
Champaign, IL 61820  
Ph. (217)333-0729

Page 2 --

With regard to Bruce Haine's proposal to compare emissions of sulfur gas from a variety of forests, I have difficulty understanding why he wants to continue making field measurements before the problems of collecting and handling sulfur gas samples are worked out (page 2 of the 9 December 1984 proposals). If sampling technique is a major problem, what use are additional measurements made with inadequate techniques? At least three of the four problems seem amenable to laboratory solutions. Also, are other people testing the alternative hypotheses which would explain the excess of sulfur inputs over outputs, i.e. sulfur accumulation in increasing biomass or in soil, and conversion to organic sulfur which leaves the forest in drainage water? In summary, I feel Bruce is asking for a fairly small amount to address an important question across a variety of LTER and non-LTER sites, and I support his request for funds to consult with others and improve the methods. It does seem the methods question should be settled before embarking on a series of comparative measurements.

A Steering Committee meeting either during the week of 16 September or 23 September would be fine with me. I prefer meeting in Wisconsin to meeting in Washington, purely for the selfish reason of being relatively close and wanting to visit with some people at the Wisconsin site. I would be willing to go to Washington.

I apologize for being so tardy in getting these comments back to you.

Sincerely yours,



Rip Sparks

RES/bdd

cc: Committee 8/9 *J*

DEPARTMENT OF GEOGRAPHY  
Campus Box 260  
UNIVERSITY OF COLORADO  
BOULDER  
COLORADO 80309

July 23, 1985

Dr. Jerry F. Franklin  
Forest Science Department  
Oregon State University  
Corvallis  
Oregon 97331.

Dear Dr. Franklin:

Thank you for your letter indicating that the LTER Coordinating Committee will fund the establishment of an LTER Climate Committee.

I would be happy to invite Hubbard Brook people to participate. I would appreciate it if you would let me know the name of a person there who I should contact regarding this.

I will start work on the project within the next couple of weeks and keep you informed of the progress along the way.

I note that no honoraria should be paid from coordinating grants. I am not quite sure what effect, if any, this will have on the willingness of investigators from other sites to participate in the project. I will take the liberty of pointing out to site PIs that this is the case and that they might want to consider budgeting something from their site funds for persons who are participating in the project.

Thank you for your help.

Yours sincerely,



David Greenland.  
Professor of Geography.

c.c. Dr. Patrick J. Webber. P.I. CULTER. Niwot Ridge/Green Lakes.

UNIVERSITY OF COLORADO, BOULDER

Department of Geography



LONG TERM ECOLOGICAL RESEARCH PROGRAM  
CLIMATE COMMITTEE

August 8, 1985

Dr. Jerry Franklin  
Forestry Sciences Laboratory  
3200 Jefferson Way  
Corvallis  
OR 97331

Dear Dr. Franklin:

This letter is to inform you, if you did not already know, that the Central Coordinating Committee of the LTER program has funded the proposal, sent to you in April of this year, for the establishment of an LTER Climate Committee.

Under the terms of the proposal there will be two committees. The first is an advisory committee composed of the all site P.I.s listed on the accompanying sheet. You are receiving this letter as the P.I. for your site. Please inform me if there are any changes of P.I. personnel or address that are different from the information on this sheet. The second committee is the working group committee whose members will be primarily responsible for achieving the objectives of the climate committee. The names of these people are provided on a second sheet. If your site has not nominated a person for this activity you may, but it is not absolutely necessary at this stage. As P.I. you will be kept informed of the activities of the working group at six monthly intervals and if you have any questions further to the information I send you please get in touch with me (303-492-9694 or home, where I mostly work, 303-444-5086).

Enclosed you will find information reminding you of the objectives of the Climate Committee. These objectives will be met primarily by myself putting out draft documents to the working group and editing in their comments to a final document. In the case of the climate description document I will be asking help from the working group in data assembly and certain analysis.

I might add that the only major change from the initial proposal was the fact that the Central Coordination Committee felt that it was not appropriate to allow honoraria for the working group members. Thus, I would suggest to you that for the sites where it is relevant, you might consult with your working group member about his or her role in the committee and, if you think it suitable, make some allowance from your site funds for this purpose. NSF, of course, have indicated that a certain proportion of site funds should be spent on intersite activities.

I thank you for your help in these matters, and be sure to contact me if you have any questions.

Yours sincerely,

*D. E. Greenland*

David Greenland.  
Professor of Geography.  
Niowt Ridge/Green Lakes Valley Site.

## THE LTER INTERSITE CLIMATE COMMITTEE

### FUNDING PERIOD

The LTER Intersite Climate Committee was funded as of July 15, 1985 for a period of 18 months to pursue activities of mutual benefit to all sites.

### NATURE OF THE COMMITTEE

#### WORKING GROUP

Dr. David Greenland. Niwot Ridge Green Lakes Site. Chair and  
Coordinator.  
Dr. Lloyd Swift. Coweeta Site.  
Dr. Art McKee. Andrews Site.  
Drs. William Michener and Bjorn Kjerfve. North Inlet Site.  
Dr. L. Dean Bark. Konza Site.  
Dr. Wayne Wendland. Illinois Rivers.  
Drs. William Lauenroth and William Parton. Pawnee Grasslands  
Site.  
Dr. John Tester. Cedar Creek Site.  
Dr. John Magnuson. Wisconsin Lakes Site.

#### ADVISORY GROUP

All sites PIs and Dr. J.T. Callahan.

### OBJECTIVES AND TASKS OF THE COMMITTEE

The principal objectives and tasks of the working committee for the first year are:

- 1) To complete and disseminate the document on standardization of meteorological observations at LTER sites.
- 2) To produce a document describing the climate and relevant aspects of the bioclimate at each LTER site.
- 3) To produce a proposal(s) for the continuing activity of the committee.

## POSSIBLE FUTURE WORK OF THE COMMITTEE

In the later years the following might be appropriate activities for the Climate Committee:

# Organizing workshops dealing with cross LTER site themes in bioclimatology. Examples of these themes might be:

Climatic stress on flora and fauna

Climatic change at LTER sites

Water and energy budget comparisons

Bioclimatic classification at LTER sites.

# Providing a pool of expertise in atmospheric science (especially bioclimatology) that could be called upon by other LTER investigators.

# Acting as a quality control supervisor for LTER climatic data.

# Coordinating with LTER data organizers with respect to the handling and analysis of climatic data.



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June 3, 1986

LONG TERM ECOLOGICAL RESEARCH PROGRAM  
CLIMATE COMMITTEE

Dr. Art. McKee  
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Dear Art:

Within the next two weeks I will be sending out the finished version of the Measurements Standardization Document.

I am now anxious to put in some serious time on the Climate Description Monograph. From our telephone conversations I know that you have been working on data and photo etc preparation for this. So I will look forward to seeing the results of your efforts soon. I should mention that few sites seem to be able to provide much humidity data so if these are difficult to provide do not spend too much time on it.

Best Wishes,

Yours sincerely

A handwritten signature in cursive script that reads "David Greenland".

David Greenland,  
Professor of Geography  
Niwot Ridge/ Green Lakes Valley LTER Site.