

National Geographic Society

WASHINGTON, D. C. 20036

RUSSELL W. PETERSON
SYMPOSIUM CHAIRMAN

TELEPHONE
(202) 828-5691
TELEX 892398

COMMITTEE FOR RESEARCH AND EXPLORATION
CENTENNIAL SYMPOSIUM

Earth '88: Changing Geographic Perspectives
January 25-29, 1988

November 25, 1987

Dr. M.S. Swaminathan
President, IUCN
c/o P.O. Box 933
International Rice Research Institute
Manila, Phillipines

Dear Dr. Swaminathan:

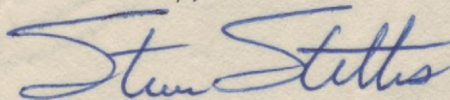
I have looked over the slides you sent to Dr. Bishop on October 30. Many of them are excellent but several of them raise questions that I would like to address. Of the 52 slides, 31 are appropriate, but not in their present form. Several should be updated to make the data as current as possible to 1987.

I have enclosed a color photocopy of each slide submitted. Based on consultation with Dr. Bishop and Dr. Anthony de Souza of the Geography Liaison Office, the photocopies that contain a blue check mark are suitable for your presentation. The others will not be used either because they are too detailed to project (see the enclosed Illustrations Guidelines), or because they do not address the issue of global agriculture.

Please look over the enclosed photocopies and let me know by cable or facsimile if you agree with my decisions. A collect call might be helpful if you wish to discuss any of the illustrations. I must have a response by Monday, December 7 if the slides are to be ready by the January deadline.

I appreciate your cooperation and look forward to hearing from you soon.

Sincerely,



Steve Stettes
Geography Liaison Office

enclosures
xc: Dr. Bishop

EARTH '88:

Changing Geographic Perspectives

- Seating is limited in the Gilbert H. Grosvenor Auditorium. Please return the R.S.V.P. card by **December 14**.
- Your tickets will be mailed by **January 13**.
- Parking is available free of charge at National Geographic Society Headquarters for the **evening sessions only**. The garage will open at **7:00 p.m.**
- For daytime sessions, parking is available at nearby commercial garages.
- For further information call **(202) 857-7133**.



EARTH '88:

Changing Geographic Perspectives

Reservation Card





UNION POSTALE
UNIVERSELLE

COUPON-RÉPONSE
INTERNATIONAL

C 22

Ce coupon est échangeable dans tous les pays de l'Union postale universelle contre un ou plusieurs timbres-poste représentant l'affranchissement minimal d'une lettre ordinaire, expédiée à l'étranger par voie de surface.

| | | |
|---|--|--|
| <p>Empreinte de contrôle du pays d'origine</p>  | <p>Prix de vente (indication facultative)</p> <p>80 cents</p> | <p>Timbre du bureau qui effectue l'échange</p>  |
|---|--|--|

EARTH '88:
Changing Geographic Perspectives

I will attend the following sessions:

tickets

Name M. S. Swaminathan

The entire Centennial Symposium

Affiliation International Rice Research Institute

INDIVIDUAL DAYTIME SESSIONS

Address P.O. Box 933, Manila, Philippines

Monday, January 25, 1988

Tuesday, January 26, 1988

Thursday, January 28, 1988

Friday, January 29, 1988

Daytime Telephone () 742-05-95

INDIVIDUAL EVENING SESSIONS

Monday, January 25, 1988

Tuesday, January 26, 1988

Wednesday, January 27, 1988

Thursday, January 28, 1988

I accept your invitation to attend the Centennial Symposium of the National Geographic Society's Committee for Research and Exploration, January 25-29, 1988.

I regret that I will be unable to attend the Centennial Symposium.

National Geographic Society

WASHINGTON, D. C. 20036

Committee for Research and Exploration Centennial Symposium

Earth '88: Changing Geographic Perspectives

Program Title: "Global Agriculture at the Crossroads"

Presented by: M. S. Swaminathan

Date of Presentation: January 29, 1988

Presentor, M. S. Swaminathan, hereby donates to the National Geographic Society, Washington, D.C. for the Society's educational purposes all rights, title and interests which Presentor may own in and to the

- audio recording
- video recording

of the above-named program and ensuing discussions. In addition Presentor grants the Society, without charge, the right to use his/her name and/or likeness in connection with its use of the recorded program.

To the best of Presentor's knowledge he/~~she~~ has such rights, title and interests to donate, except as may be noted below. (If there are no known exceptions, state "None".)

None

Presentor: M. S. Swaminathan

Witness: Victoria Sebastian

Date: 2 December, 1987

Date: 2 December 1987

11/87

PRESENTER REQUIREMENTS

No. _____

NAME: Swaminathan, M.S.
Last First M.I.

DATE: January 29, 1988
Month Day Year

TITLE: "Global Agriculture at the Crossroads"

LOCATION: Grosvenor Auditorium

SERIES: Centennial Symposium

TIMES: SET-UP: _____ PRESENTATION: 10:10 - 11:20 a.m.

(Please check as appropriate)

- AUDIO: _____ Public Address _____ Podium with Microphone
 _____ Playback of Audio Tape _____ Standing Floor Microphone
 _____ Reel to Reel
 _____ Cassette
 Lavalier
- PROJECTION: _____ Cine _____ 16mm _____ 35mm
 _____ SOF _____ Running Time
 Still 2 x 2 _____ 3 1/4 x 4
 _____ Multi-Image _____ No. of Projectors
 _____ Overhead _____ Opaque
 _____ Video _____ 3/4" U-Matic _____ 1/2" Beta
 _____ 1/2" VHS
- ACCESSORIES: _____ Easel _____ Chalk Board
 _____ Flip Chart Pointer

OTHER EQUIPMENT NEEDS: (Describe)

ADDITIONAL REMARKS:

The above information will help us prepare for your program. Please furnish us with a daytime phone number so that we may follow up if there are any questions. Thank you.

DAYTIME PHONE: _____ / _____
Area Code



National Geographic Society

WASHINGTON, D. C. 20036

Committee for Research and Exploration Centennial Symposium

Earth '88: Changing Geographic Perspectives

Program Title: "Global Agriculture at the Crossroads"

Presented by: M. S. Swaminathan

Date of Presentation: January 29, 1988

Presenter, M. S. Swaminathan, hereby donates to the National Geographic Society, Washington, D.C. for the Society's educational purposes all rights, title and interests which Presenter may own in and to the

audio recording

video recording

of the above-named program and ensuing discussions. In addition Presenter grants the Society, without charge, the right to use his/her name and/or likeness in connection with its use of the recorded program.

To the best of Presenter's knowledge he/she has such rights, title and interests to donate, except as may be noted below. (If there are no known exceptions, state "None".) _____

Presenter: _____ Date: _____

Witness: _____ Date: _____

PRESENTER REQUIREMENTS

No. _____

NAME: Swaminathan, M.S.
Last First M.I.

DATE: January 29, 1988
Month Day Year

TITLE: "Global Agriculture at the Crossroads"

LOCATION: Grosvenor Auditorium

SERIES: Centennial Symposium

TIMES: SET-UP: _____ PRESENTATION: 10:10 - 11:20 a.m.

(Please check as appropriate)

- AUDIO: _____ Public Address _____ Podium with Microphone
 _____ Playback of Audio Tape _____ Standing Floor Microphone
 _____ Reel to Reel _____ Lavalier
 _____ Cassette
- PROJECTION: _____ Cine _____ 16mm _____ 35mm
 _____ Still _____ SOF _____ Running Time
 _____ Video _____ 2 x 2 _____ 3 1/2 x 4
 _____ Multi-Image _____ No. of Projectors
 _____ Overhead _____ Opaque
 _____ 3/4" U-Matic _____ 1/2" VHS _____ 1/2" Beta
 _____ Easel _____ Chalk Board
 _____ Flip Chart _____ Pointer

ACCESSORIES:

OTHER EQUIPMENT NEEDS: (Describe)

ADDITIONAL REMARKS:

The above information will help us prepare for your program. Please furnish us with a daytime phone number so that we may follow up if there are any questions. Thank you.

DAYTIME PHONE: _____ / _____
Area Code



National Geographic Society

TRAVEL DIVISION
1145 17th Street, N.W.

WASHINGTON, D.C. 20036

TELEPHONE: (202) 857-7488

TELEX: 4953148 OR 64194

CABLE ADDRESS: NATGEOSOC, WASHINGTON

IP

ITINERARY

DATE: 25 NOV 87

RPTYUX

PAGE: 1

For your international trip please make sure
you have the following:

- Valid Passport
- International Driver's License
- Visa(s) as required
- Immunization(s) as required

TO: NATL GEOGRAPHIC SOCIETY
1145 17TH ST NW
WASH DC 20036

FOR: SWAMJNATHAN/MS

23 JAN 88 - SATURDAY

| | | | | | |
|-----|----------------------|-------|----------|-----------|----------|
| AJR | LV DELHT | 620A | PAN AM | FLT:73 | BUSINESS |
| | AR FRANKFURT | 1040A | NON-STOP | BREAKFAST | |
| AJR | LV FRANKFURT | 145P | PAN AM | FLT:61 | BUSINESS |
| | AR WASHINGTON DULLES | 455P | NON-STOP | LUNCH | |
| AJR | LV WASHINGTON DULLES | OPEN | PAN AM | FLT:OPEN | BUSINESS |
| | AR FRANKFURT | | | | |
| AJR | LV FRANKFURT | OPEN | PAN AM | FLT:OPEN | BUSINESS |
| | AR DELHT | | | | |

ILLUSTRATION GUIDELINES FOR CENTENNIAL SYMPOSIUM

In order to achieve a high visual standard for the symposium, the following guidelines are offered for your assistance. Please keep in mind that the use of illustrations in your presentation is encouraged, but to maximize the diverse media coverage we envision, it is easiest to work with the horizontal format.

FOR PROJECTION DURING THE SEMINAR

Photographs:

Well-framed, sharply-focused, properly-exposed original transparencies in either the standard 35mm or 2"x2" formats can be accepted; the Society will make glass-mounted duplicates for projection.

A limited number of requests for use of photographs and/or diagrams previously published by the Society can be accommodated, but all such requests must be specific as to publication, date, and page number. Presentors are responsible for obtaining all permissions necessary for use of previously published or copyrighted material (other than NGS material) that they provide.

Graphics (maps, charts, graphs, tables, artwork, text):

Submissions should be clearly conceived and rendered as nearly as possible in the desired final format. Remember that only bold, simplified maps and graphics with minimal text will be acceptable for projection. (More complex graphics will be acceptable for the published proceedings). In a limited number of cases, further rendering of graphics, which you deem absolutely necessary, will be undertaken on your behalf by the Society. To assist in the redrafting process, actual numerical values of all plotted data should be included.

All graphic materials that you wish to include in your presentation (and that meet projection standards) will be converted by the Society to glass-mounted 35mm slides.

Combined Stills:

Remember that it will be possible to use side-by-side (double-screen) arrangements of photographs and graphics; where necessary, serial overlays (e.g., on maps) may also be possible.

Video:

Submissions should be in the form of high-quality 3/4" U-matic videotape. (Tapes that have been assemble-edited are not acceptable).

Film (cine):

Both 16mm and 35mm film clips are acceptable.

ILLUSTRATIONS GUIDELINES (cont.)

Computer (RGB) output:

Within strict guidelines, it is possible to project real-time RGB output from a personal computer. Specific requests must be submitted; then you will be contacted directly by the NGS Audiovisual Services division. Computer output that has been professionally transferred to 3/4" U-matic videotape is preferred.

FOR PUBLICATION

Photographs:

Here, too, top quality transparencies are required; the importance of sharp focus and proper exposure cannot be over-emphasized. Any transparency 35mm or larger is acceptable.

Previously published Society material (requested by specific publication, date, and page number) can be reproduced.

Black and white photographs are acceptable; original negatives will be needed to make reproduction-quality prints.

Graphics:

While figures may be redrawn by NGS staff for publication, they should nonetheless be submitted as scientifically accurate, reproducible line art. In addition, actual numerical values of all plotted data should be included to assist in the redrafting process.

Tables will be reset in National Geographic Research style.

Authors are responsible for obtaining all permissions necessary to reproduce previously published and/or copyrighted material that they provide.

Authors will see proofs of all graphics prior to publication.

Editing:

Space limitations will probably require some editing of the original figures (photographs and graphics). This will be achieved through consultation between the authors and the editors of National Geographic Research.

A G E N D A

National Geographic Society
CRE Centennial Symposium
January 25 - 29, 1988

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|--|---|--|---|---|
| VISIONS, EXPLORATIONS, AND DISCOVERIES | THE DYNAMICS OF SCIENCE AND TECHNOLOGY | FIELD TRIP DAY 9:30 a.m. - 4:00 p.m. | TOWARD AN ENVIRONMENTAL ETHIC | HUMAN KIND AND ITS FUTURE |
| <u>Morning</u> | <u>Morning</u> | <u>Morning</u> | <u>Morning</u> | <u>Morning</u> |
| 9:30 - 9:40 WELCOME Gilbert M. Grosvenor | 9:30 - 10:40 REVOLUTION OF SCIENCE Frank Press | LIBRARY OF CONGRESS | 9:00 - 10:10 DESERTIFICATION Mohamed A. F. Kassas | 9:00 - 10:10 Population Paul R. Ehrlich |
| 9:40 - 9:50 INTRODUCTION Russell W. Peterson | 10:40 - 10:50 Break | | 10:10 - 11:20 DEFORESTATION Peter H. Raven | 10:10 - 11:20 WORLD AGRICULTURE M. S. Swaminathan |
| 9:50 - 11:00 INTELLECTUAL CLIMATE Daniel J. Boorstin | 10:50 - 12:00 ENERGY Thomas J. Wilbanks | | 11:20 - 11:30 Break | 11:20 - 11:30 Break |
| 11:00 - 11:10 Break | 12:00 - 2:00 Lunch | Lunch (To be announced) | 11:30 - 12:40 CLIMATIC CHANGE Reid A. Bryson | 11:30 - 12:40 QUALITY OF LIFE Donella H. Meadows |
| 11:10 - 12:20 EXPLORATION George Kish | | | 12:40 - 2:00 Lunch | 12:40 - 2:00 Lunch |
| 12:20 - 2:00 Lunch | | | | |
| <u>Afternoon</u> | <u>Afternoon</u> | <u>Afternoon</u> | <u>Afternoon</u> | <u>Afternoon</u> |
| 2:00 - 3:10 POLITICAL GEOGRAPHY George W. Hoffman | 2:00 - 3:10 MEDICINE/PUBLIC HEALTH John H. Hunter | SMITHSONIAN Air & Space Museum | 2:00 - 3:10 WATER RESOURCES Gilbert F. White | 2:00 - 3:10 TECHNOLOGY/THREAT TO LIFE Jerome B. Wiesner |
| 3:10 - 3:20 Break | 3:10 - 3:20 Break | | 3:10 - 3:20 Break | 3:10 - 3:20 Break |
| 3:20 - 4:30 INDUSTRY/TECHNOLOGY Lewis M. Branscomb | 3:20 - 4:30 TRANSPORTATION James E. Vance, Jr. | | 3:20 - 4:30 POLLUTION James G. Speth | 3:20 - 4:30 FUTURE PERSPECTIVES Russell W. Peterson |
| 4:30 - 6:00 Adjourn | 4:30 - 6:00 Adjourn | | 4:30 - 6:00 Adjourn | 4:30 - 4:45 CLOSING STATEMENT Melvin M. Payne |
| 6:00 - 7:45 Dinner | 6:00 - 7:45 Dinner | <u>Evening</u> | 6:00 - 7:45 Dinner | 4:45 Adjourn |
| <u>Evening</u> | <u>Evening</u> | <u>Evening</u> | <u>Evening</u> | |
| 8:00 - 9:10 WORLD BIOTA Edward O. Wilson | 8:00 - 9:10 COMMUNICATIONS James B. Reston | 5:00 - 6:00 Reception | 8:00 - 9:10 OCEANOGRAPHY William A. Nierenberg | |
| | | 6:00 - 7:45 Dinner | | |
| | | 8:00 - 9:10 BEYOND EARTH Christopher C. Kraft, Jr. | | |