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Author

Churcher, Tegan

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Biodiversity Research Protocols



Photograph by B.Q. Haugchmann 1996
Maya-Mopan Swamp Creek, Southern Belize

Directory of Guidance Documents Relating to Biodiversity and Cultural Knowledge Research and Prospecting

Compiled for the Biodiversity & Ethics Working Group of Pew Conservation Fellows

By Tegan Churcher

Research Assistant for Dr. Ashok Gadgil and Dr. Bernard Nietschmann

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**Directory of Guidance Documents Relating to Biodiversity and Cultural
Knowledge Research and Prospecting**

Compiled for the Biodiversity & Ethics Working Group of Pew Conservation Fellows
By Tegan Churcher

tpaige@uclink4.berkeley.edu

Research Asst. for Dr. Ashok Gadgil & Dr. Bernard Nietschmann

Department of Geography
University of California

and

Environmental Energy Technologies Division
Ernest Orlando Lawrence Berkeley National Laboratory
Berkeley, CA 94720

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Biodiversity Research Protocols

1996 Proposed Guidelines for Researchers and Local Communities Interested in Accessing, Exploring and Studying Biodiversity

Developed by the Biodiversity & Ethics Working Group of Pew Conservation Fellows

Preamble

Biodiversity in both developing and developed countries has been accessed ¹ for a long time by local communities as well as by outside researchers and corporate prospectors. Such activities are carried out for various purposes. Sometimes plants, animals and habitats are merely described, other times the goal is to extract for profit. These activities have helped to advance knowledge and create awareness of how precious biodiversity is. These activities have also generated many products that contribute to the health and well-being of global consumers, but may not necessarily provide benefits to their original stewards.

Research has also focused attention on particular features of biodiversity. For example, we realize today that most of the regions of high biodiversity are inhabited by people considered economically poor by most international standards. We also recognize that, in many cases, the biodiversity will disappear if economic conditions of the communities do not improve as a result of their stewardship of the resources.

Biodiversity has been conserved, both by local community traditions, and by more formal means, with varying degree of effectiveness.

One recently proposed means is the Convention on Biological Diversity. That convention has been ratified by large number of countries and has stimulated global concern over this issue. It has provided a framework for conserving biodiversity. At the same time many local communities, NGOs and people's organizations are advancing alternative ways to conserve biodiversity and cultural diversity. In many places, the conservation of biodiversity and the protection of cultural diversity are inescapably intertwined. Despite strong links between biodiversity and the land and the water management traditions of the 6000 linguistically distinct cultures, the Convention on Biological Diversity focuses on nation-state sovereignty over biodiversity. We believe that local communities should have greater say in whether and how biodiversity is studied, extracted and commercialized. We consider prior informed consent to be a necessary requirement of such explorations, as is equitable sharing of any benefits arising from them.

From our perspective, the Convention on Biological Diversity generated a lot of hope, but also some concerns. For instance, should researchers who merely want to understand the lives of certain plants or animals be treated differently from those extracting raw material for corporations? Will the Convention generate ethically responsible behavior of those who wish to benefit from developing new plant and animal products for sale? Will local communities and indigenous peoples really be accorded more than token participation?

We see a clear need for clarification of ethical norms to guide all those involved in the exploration of biodiversity. While knowledge may be advanced, profits earned, and new products made available from such exploration, this does not guarantee that conditions of these communities will be improved. In many cases, these conditions have become worse due to depletion of local resources. Many researchers have obtained knowledge about biodiversity and its uses from local innovators, communities and institutions, but have not adequately acknowledged their contribution or shared with them the benefits accruing from research. Some researchers may have done so without any intention of betraying the trust of the people;

¹ The term "prospecting" is used commonly for denoting what this group prefers to call "accessing", due to the purely negative connotations associated with extractive prospecting. Some participants in "accessing" biodiversity do not necessarily exploit resources, and few do return benefits to communities.

ironically they actually have conformed to the prevailing professional norms. These norms must change, for they have been inadequate in ensuring equity and respectful exchanges. We believe that all participants involved with the exploration of biodiversity, this includes funders, researchers, and communities, should act in an ethical and responsible manner.

Principles Underlying These Guidelines

1. Research should be an educational process leading to mutual learning among researchers and the collaborating individuals, communities and institutions.
2. Just as the propriety rights of scientific knowledge are well established and respected, such rights are due to the producers and providers of traditional knowledge and contemporary innovations from local communities.
3. Research should be based on respect for the local cultural values and norms.
4. Benefits should accrue to all partners in a fair and equitable manner.
5. Informed consent should be obtained within limits of practicality.

Scope of the Guidelines

In these guidelines, the term "researcher" refers both to the individual conducting the research and to the sponsoring or contracting institutions on whose behalf the individual conducts the research.

Several other aspects of ethical obligations of or towards local communities, nations, and state governments, consumers, and future generations remain to be explored. However, in these guidelines, we recommend protocols for conduct of researchers (academic or commercial) and professional societies, bodies or institutions. It should be pointed out that some studies carried out with no commercial motive may produce results that subsequently acquire commercial value, and so protocols must take this into account.

The research categories illustrated below are by no means definitive. These guidelines are intended to cover many types of research, and we specify five categories of research which include:

1. **Non-Extractive Non-Commercial Research:**
Biologists document the evolution of species and ecological patterns and processes through observation, simulation etc., without collection of samples.
2. **Extractive but with Primarily Non-Commercial Research:**
This might involve collection of samples of organisms for description, or for analysis of the interrelationships among species.
3. **Non-Extractive Research with Possible Commercial Potential:**
Ethnobiologists may study plants and animals without collection of samples. These studies may involve documentation of local innovations, traditional knowledge and practices, development of data bases of such knowledge, publication of books, films, or other forms of dissemination of local knowledge, for instance electronic communication, CDs, etc. This local knowledge may be documented to preserve or share within the community or beyond it.
4. **Extractive Research Intended for Commercial Development:**
Extraction could be in small quantity such as for bio-technological laboratories or in large quantities for natural product development. Such research done by students, academic researchers, corporate researchers or local communities, may be intended to develop new

products based on biodiversity traditionally used by local communities or elaborated by individual innovators. It may also involve screening and analyzing biodiversity, without making any reference to local uses.

5. Conservation Research Intended for Protection of Biodiversity:

Academic researchers, NGOs, government organizations, corporate researchers, or local communities may utilize all of the methods mentioned above to create effective resource management plans and biodiversity education programs.

We offer the following three notes of caution as we attempt to respond to indigenous peoples' concerns.

1. These guidelines are not intended to provide a definitive set of procedures which every biodiversity accessor must follow to ensure appropriate ethical standards. The objectives of researchers are highly varied, as are the political, cultural, social, environmental and economic contexts in which they work. These make it difficult for a single set of guidelines to be universally applicable.
2. These guidelines are intended to promote good, ethical and responsible research as well as equitable exchanges among the communities and institutions which access biodiversity: indigenous or local communities, donors or philanthropists supporting research and conservation, industries, academic institutions, professional organizations concerned with conservation, as well as government and inter-government agencies.
3. These guidelines must be adapted to function in a wide range of political circumstances. For example: indigenous communities may be governed by national or state governments that are either sensitive or insensitive to their needs and rights. In addition, explorers may be accessing either private, public or commercially-owned natural resources. They may be involved in projects which can be small or large. These considerations obviously affect how these guidelines can be implemented.
4. Both indigenous communities and researchers must honor mutually agreed upon ethical concerns and obligations.

The reader can undoubtedly think of economic, cultural or geographic variables that could generate similar lists.

In the light of these diverse circumstances, we classify each recommendation in these guidelines into one of three categories: 1. actions that we believe all ethical biodiversity assessors must carry out; 2. actions that are usually, but not always appropriate, and 3. actions that are sometimes but by no means generally appropriate. We distinguish between these categories as follows:

1. Some recommendations will, we hope, be universally applied. For example, few would disagree that all accessors of biodiversity must reveal their methods and objectives to the local people on whose land or in whose waters they are proposing to work. We thus preface our descriptions of these actions with the phrase "accessors must."
2. Some actions appear to have wide but not invariable applicability. In such circumstances we preface our recommendation with the phrase "accessors should."
3. Finally, there are actions that are clearly required of ethical biodiversity accessors in some circumstances but not in others. For example, monetary compensation is often appropriate for those who provided valuable knowledge or access to biological resources that belong to them. Sometimes, however, such compensation is refused. Here we preface our recommendation with the phrase "accessors should consider." Thus considering

compensation includes such alternative forms as a trust fund or scholarship to benefit the community involved.

Another issue involves placing conditions on compensation, such as requiring that it not be used for socially or environmentally destructive purposes. Conservation organizations tend to favor such arrangements, but communities often believe that they should have the right to use compensation for use of their biodiversity as they see fit. Thus we recommend that biodiversity accessors consider mutually agreed upon restrictions.

The Guidelines

The Guidelines are not intended to be a legal binding document. Their most valuable purpose is to 1) identify issues that communities and researchers are and should be concerned with, and 2) provide a specific framework for appropriate institutions and professional agencies to develop their own specific guidelines.

In cases where local communities have their own guidelines these may have precedence over what we discuss below. Guidelines under sections 1 and 2 apply to all researchers and explorers with or without commercial motives. However, sections 3 and 4 apply more particularly to those researchers who have commercial interests and motives. Sections 5 deals with the obligations of professional societies and academic institutions.

1) Approval

In most cases the researchers should obtain clearance from the appropriate central or state government authority and, where applicable, from institutions of indigenous peoples.

2) Initial Disclosure of Information

When first contacting a community or individual to seek access, the researcher:

- should carry out all communications in the locally understood language.
- must explain the nature and purpose of the proposed research, including its duration, the geographic area in which research would take place, and research and collecting methods.
- must explain the foreseeable consequences of the research for resources, people, and accessors, including potential commercial value.
- should explain the potential non-commercial values, such as academic recognition and advancement for the researcher.
- should explain any social and cultural risks.
- must notify the community at large by some means, e.g., public meeting.
- should consider explaining the guidelines that the researcher is following, as well as his/her practice in previous similar research projects.

- should be willing to provide copies of relevant project documentations, or summaries thereof, preferably including the project budget, in the local language. In the case of commercial prospecting, researchers must share such documents.
- must agree on a protocol of acknowledgments, citations, authorship, inventorship as applicable, either citing local innovators or conservators, or respecting request for anonymity.
- must share findings at different stages with the providers.
- must not engage in bribery or making false promises.

3) Involvement and Negotiation

In negotiations, the researcher:

- must take a reasonable effort to identify and negotiate with those who have the proper authority to negotiate (note that sometimes this may include the entire community).
- should conduct initial discussions with small groups (but obtain final approval from higher legitimate authority wherever applicable).
- should consider, where there is no existing authority or capacity for such negotiations, helping the community develop the institutional capacity to appraise and (if it chooses) enter into such agreements.
- should be willing to provide copies of relevant project documents, project proposal, preferably including the project budget.
- must disclose commercial interest or other possible interest of present or potential third parties.
- should include a local institution as partner in research, where an appropriate one exists, and, if appropriate, local collaborators.
- should consider drawing up a collaborative agreement.
- if such an agreement is made, the researcher should consider depositing a copy of it with a relevant regional or sub regional body.
- should ensure that the actual entity that is directing the research is a party to the agreement whether they are carrying out the work themselves or through contractors.

4) Compensation and Other Terms of Access

The researcher:

- must make every effort to ensure that providing communities and counterpart institutions will share equitably in the benefits.

- should make every effort to develop effective mechanisms for benefit-sharing if none currently exist, (recognizing that no proven universal methods exist, and that cultural and other circumstances will vary widely from case to case).

Parties should arrive at the scope, extent and form of compensation keeping all the following stages in mind ².

- a). when accessing is done,
- b). when a new product use is discovered,
- c). when a product is developed,
- d). when the product is commercialized.

Arrangements for compensation should incorporate the following obligations:
(Note that some of the points below with roman numerals contain 'must', because if at all the researchers incorporate these principles when negotiating access and utilization of biodiversity with local communities, then these obligations and rights should be universally applied.)

- I. The community's right to any organism or part thereof extracted by any biotechnological or other method must not be exhausted merely by publication or collection. The community can assign these rights or associated intellectual property rights (IPRs) to anyone it feels appropriate.
- II. The community has the right to refuse collection by any researcher even after the initial research has shown its utility.
- III. Any research collecting from an alternative location / community / species / country should take into account the contribution of the original source in generating commercial returns.
- IV. Profit sharing from commercial production should have the same duration as the period of patent protection for the property or form of accessed material being commercialized.
- V. At stage 'b' and 'c' above, researchers must consider sharing with the source community the terms of profit-sharing from commercialization, even when knowledge is provided by an emigrant belonging to that community.
- VI. Researchers should consider helping to set up local community-managed institutional funds or other augmentative mechanisms for local community development in cases where individuals / communities refuse(s) monetary compensation.

5) Professional Societies, Academic Institutions and Funding Agencies:

- should encourage citation of intellectual contributions of local innovators, communities and groups.
- should ensure sharing in the local language the insights gained from the local communities or innovators either by the prior agreement or by the time of publication, or within reasonable time but not beyond one year of publication.

² In case of a book, film, or other such products stage 'a' and 'b' may not apply.

- should help set up a system of registration of innovations / practices so that IPRs of local communities or innovators are not compromised.
- should set up rules of good conduct and practice by researchers.
- should recognize, support and reward ethical practices in research.
- should set up bioethics committees to protect the rights of researchers, communities and individuals contributing to the conservation of biodiversity.

The people listed below contributed directly to the development of the proposed protocol:

Anil Agarwal
 Kamaljit Bawa
 Stephen Brush
 Enrique Bucher
 Tegan Churcher
 Juliet Craig
 James Crowfoot
 Roldolfo Dirzo
 David Downes
 Anushka Drescher
 Graham Dufield
 Ashok Gadgil
 Robert Goodland
 Anil Gupta
 Philip Fearnside
 Wesley Jackson
 Angelo Joaquin Jr.
 Robert Johannes
 Calestous Juma
 Steven King
 Jack Kloppenberg
 Luisa Maffi
 Katy Moran
 Norman Myers
 Gary Nabhan
 Melissa Nelson
 Bernard Nietschmann
 Christine Padach
 Astad Pastakia
 Kririt Patel
 Darrell Posey
 Mark Sagoff
 Kathryn Saterson
 Charles Tambiah
 Christopher Uhl
 Johanna Wald

EXPLANATION OF SURVEY:

In 1993, several of the Pew Conservation Fellows formed a working group on Ethics and Biodiversity Conservation in order to recommend new protocols for researchers and host communities involved in the study and use of biodiversity. The goal of the working group is to promote equitable, democratic and honest relationships and benefits between the researchers who access, explore and study biodiversity, and the local communities and peoples who protect, create and own biodiversity.

"The Biodiversity Research Protocols" proposed by the Pew Conservation Fellows were developed at a workshop supported by the Pew Scholars Program held outside Tucson, Arizona in October 1994 and revised in spring of 1996. "The Biodiversity Research Protocols" was approved by the Pew Fellows in Conservation and the Environment.

Over a period of two and a half years (October 1993 - April 1996,) we contacted 226 organizations whose activities had some relevance to the biodiversity research protocols. We requested these organizations to send us existing guidelines which may be relevant to biological and cultural research and prospecting. This directory summarizes the responses to the survey in the format given below.

FORMAT:

- **Name of Organization**

Bibliographic citation

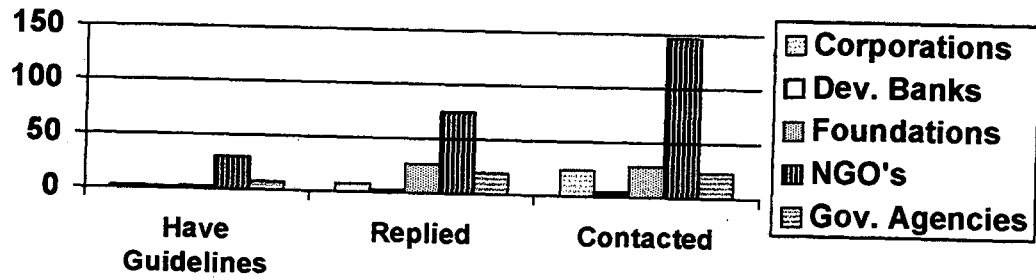
Comment on the document.

Contact address, phone, fax etc. if available

Survey Summary of 226 Organizations

75%  25%

 Have some guidelines
 Have no guidelines



Corporations

1. Abbott Labs
2. Allelix Biopharmaceuticals Inc.
- 3.* Boehringer Mannheim GmbH
- 4.* Bristol-Myers Squibb Company
5. Eli Lilly Pharmaceutical
- 6.* Glaxo Holdings p.l.c.
7. Merck & Co., Inc.
8. Miles Inc.
9. Monsato Co.
10. Partners in Science: Science Advancement Programs Research Corporation
11. Pfizer, Inc.
12. Pharmagenics
- 13.*** PHYTOpharmaceuticals, Inc.
- 14.* Red Earth
- 15.* Research Corporation
16. Rhone-Poulenc Rorer Inc.
17. Sandoz Ltd.
18. Schering - Plough Corp.
- 19.*** Shaman Pharmaceuticals, Inc.
20. Smithkline Beecham plc.
21. Sphinx Pharmaceutical Corporation
22. Sterling Winthrop Inc.
23. Syntex Corporation
24. Upjohn Co.

***replied to survey**

7 out of 24 corporations replied to the survey

****have guidelines**

2 out of 7 have guidelines

Development Banks

1. African Development Bank
2. Asian Development Bank
- 3.* International Monetary Fund (IMF)
- 4.*** World Bank

***replied to survey**

2 out of 4 banks replied to the survey

****have guidelines**

1 out of 2 have guidelines

Foundations and Award Givers

- 1.* African Wildlife Foundation
- 2.* American Conservation Association, Inc.
- 3.* American Institute of Indian Studies
- 4.*** Biodiversity Conservation Network
- 5.* Burroughs Wellcome Fund
- 6.* The Conservation and Research Foundation
7. Environmental Action Foundation, Inc.

- 8.* Ford Foundation
- 9.* Foundation for Deep Ecology
- 10.* The Garden Club of America
- 11.* The George Gund Foundation
- 12.* Inter-American Foundation
- 13.* The Herb Society of America, Inc.
- 14.* The MacArthur Foundation
- 15.* The National Geographic Society
- 16.* The National Science Foundation
17. Quebec-Labrador Foundation
- 18.* The Pew Charitable Trusts
- 19.* Resources for the Future
- 20.* The Rockefeller Foundation
- 21.* The Sierra Club Foundation
- 22.* The Social Science Research Council
- 23.* Society for Ecological Restoration
- 24.* Soil and Water Conservation Society
- 25.* South Carolina Wildlife & Marine Resources Department
- 26.*** W. Alton Jones Foundation, Inc.
- 27.* Weeden Foundation
28. World Foundation for Environment and Development

** replied to survey*

26 out of 28 foundations and award givers replied to the survey

***have guidelines*

2 out of 26 have guidelines

Non-Government Organizations: Academic Societies, Non-profits, Research Institutes, and Universities

- 1.* Aboriginal Public Policy Institute
2. Academy of Natural Sciences of Philadelphia
- 3.* Agricultural Law Center
- 4.* American Associations for the Advancement of Science (AAAS)
5. American Committee for International Conservation, Inc.
6. American Institute of Biological Sciences, Inc.
- 7.* American Museum of Natural History
8. American Sociological Association
- 9.* American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America
- 10.* Arbeitsgemeinschaft Regenwald und Artenschutz (Working Group on Rainforests and Biodiversity)
- 11.* Arizona-Sonora Desert Museum, Arizona State Museum, Native seeds/SEARCH, and UA Indian Studies Program
12. Asociación de Ecología y Conservación
- 13.*** The Association of Systematics Collections
- 14.* Australian Council for Overseas Aid
- 15.* Australian GeneEthics Network
16. Bank Information Center
17. Biological Science Club
18. Canadian Museums of Nature for Traditional Knowledge
- 19.* Cape York Land Council
- 20.* Caribbean Natural Resources Institute
21. Catalyst
22. Center for Development and International Law

- 23.* Center for Marine Conservation
- 24.*** Center for Plant Conservation
25. Central Institute of Medicinal and Aromatic Plants
- 26.* Chicago Zoological Society and Bookmark Biosphere Trust
- 27.*** The Committee for Protection of Human Subjects
28. Conservation International
- 29.*** Consultative Group on Biological Diversity, Inc.
- 30.*** The Council of Australian Museum Associations
- 31.* The Cousteau Society
32. Cultural Affairs and Information, Colombo, Sri Lanka
- 33.* The Cultural Conservancy
- 34.* Cultural Survival
- 35.*** Declaration of Indigenous People of the Western Hemisphere Regarding the Human Genome Diversity Project
- 36.*** Detroit-Genesee County Community-Based Public Health Consortium
37. Energy Research and Development Administration
- 38.* The Environmental Defense Fund
- 39.* Environmental Law Alliance Worldwide (E-LAW)
40. Environmental Policy Institute / Friends of the Earth / Oceanic Society
41. Environmental Solutions
42. European Association for Cancer Research
- 43.* The First National People of Color Environmental Leadership Summit
44. Foker LSM Irian Jaya (Irian Jaya NGO Working Group)
45. Forum Masyarakat Hukum Adat & Petani Tradisional
46. Forum Sumber Daya Rakyat (FSDR)
- 47.* The Foundation for Economic Trends
- 48.* Foundation for International Law and Development
- 49.* Four Directions Council
- 50.* Fundaci_n Natura
- 51.*** Global Environment Facility
52. Greenpeace Council
53. Greenpeace USA
54. Harvard University Botanical Gardens
55. Hawaii Audobon Society
- 56.*** The Healing Forest Conservancy
57. Herbarium Bogoriense
- 58.*** Indigenous Biodiveristy Network
59. Institute of Agriculture and Trade
- 60.* Instituto Nacional de Biodiversidad (INBio)
- 61.*** International Alliance of the Indigenous Tribal Peoples of the Tropical Forest
- 62.*** International Association of the Mataatua Declaration
63. International Association of Medicine and Biology of the Environment
- 64.*** International Board for Plant and Genetic Resources (IBPGR)
65. International Federation of Pharmaceutical Manufacturers Association
- 66.* International Fund for Agricultural Development (IFAD)
67. International Institute of Tropical Agriculture
68. International NGO Forum on Indonesia
69. International Pharmaceutical Federation
- 70.*** International Society of Ethnobiology
71. International Society for Human and Animal Mycology (ISHAM)
72. International Society of Tropical Foresters (ISTF)
73. International Union of Pharmacology
- 74.* IUCN The World Conservation Union
- 75.*** IUCN Botanic Gardens Conservation Secretariat, WWF, FAO, UNEP, UNESCO, and IBPGR
- 76.*** IUCN Ethics Working Group Commission on Environmental Strategy and Planning

- 77.*** IUCN Species Survival Commission & Commission on Environmental Strategy and Planning
- 78.*** IUCN, WWF, and WHO
- 79.* Iowa State University of Science and Technology
- 80.*** Jul'ayinbul Statement on Indigenous Intellectual Property Rights
- 81.*** Kari-Oca Declaration
- 82.*** Kamataka Farmers' Association
- 83.* Kolompok Studi Pengembangan Prakarsa Masyarakat (KSPPM)
84. Lembaga Alam Tropika Indonesia (LATIN)
85. Marine Conservation Society
86. Maryland Biotechnology Institute
87. Medicina da Terra
- 88.* Mennonite Central Committee
89. Minewatch
90. Miter Insani
91. Museum of Comparative Zoology
92. Nanjing Botanical Garden
93. National Audubon Society
- 94.*** National Cancer Institute
95. National Institute of Health
- 96.* National Museum of Natural History
- 97.* National Wildlife Federation
98. The Nature Conservancy
- 99.*** The New York Botanical Gardens, Chex Tropical Research Center, and Belize Association of Traditional Healers
100. Organizacao Metareila do Povo Indigena Surui
- 101.* Organization of Tropical Studies
102. Oxfam America
103. Pacific Institute of Resource Management
104. Pathfinders Institute, Inc.
105. Pelangi
- 106.* Pennsylvania State University, Department of Biology
107. Philippines Development Forum
108. Plasma
109. Probe International
110. Project for Ecological Recovery (PER)
111. Proterra
- 112.* QLF/Atlantic Center for the Environment
113. Rainforest Alliance
114. Rainforest Health Alliance
115. Royal Geographic Society
- 116.* Rural Advancement Foundation International (RAFI)
117. Sejati
- 118.* Smithsonian Institute
119. Sociedad Peruana de Derecho Ambiental
- 120.* Society for Applied Anthropology
121. Society for Economics
122. Society for Economic Botany
123. South and Meso American Indian Information Center
- 124.*** South Pacific Regional Environment Program
- 125.* Stanford Law School
126. Survival International
- 127.* Sytematics Agenda 2000
- 128.* Union of Concerned Scientists
- 129.*** United States National Research Council
130. University of Copenhagen Botanical Gardens

131. University of Dhaka
- 132.* University of Illinois at Urbana-Champaign
133. University of Nairobi, Faculty of Sciences
134. University of Natal, Institute of Natural Resources
- 135.* University of Queensland, Department of Anthropology and Sociology
- 136.*** University Research Expeditions Program
137. Wahana Lingkungan Hidup Indonesia (WALHI)
- 138.* Wellington Maori Legal Services, Inc.
139. Wilderness Society
- 140.* Wildlife Conservation Society
- 141.* The Woods Hole Research Center
- 142.*** The Working Group on Traditional Resource Rights
- 143.* Worldwatch Institute
- 144.*** World Resources Institute (WRI)
- 145.*** World Wildlife Fund (WWF)
146. Yayasan Bina Sains Hayati Indonesia (YBSHI)
- 147.*** Zuni Archaeology Program

*** replied to survey**

75 out of 147 NGO's replied to the survey

****have guidelines**

30 out of 75 have guidelines

International, National, State, and Local Government Agencies

- 1.* Aboriginal and Torres Strait Islander Commission
- 2.* Aboriginal and Torres Strait Islander Social Justice Commissioner
- 3.* Australian Coordination Committee on Science and Technology
- 4.* Department of Health and Human Services
- 5.*** Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH (DSMZ)
- 6.* Environment Canada: Biodiversity Convention Office
- 7.*** Food and Agriculture Organization
8. General Agreement on Tariffs and Trade (GATT)
9. Great Barrier Reef Marine Park Authority
- 10.*** Indian and Northern Affairs Canada
- 11.* International Maritime Organization (IMO)
- 12.* Kowanyama Aboriginal Land and Natural Resource Management Office
13. Office of Technology Assessment United States Congress (does not exist anymore)
- 14.* Overseas Development Administration
- 15.*** Penobscot Nation
- 16.*** United Nations Environment Programme
17. UNESCO Regional Office for Science and Technology for Southeast Asia
- 18.*** United Nations Human Rights Commission
- 19.*** United States Department of Agriculture
- 20.* United States Department of Commerce National Oceanic and Atmospheric Administration (NOAA)
- 21.* United States Environmental Protection Agency
- 22.* World Intellectual Property Organization
- 23.* World Trade Organization

*** replied to survey**

19 out of 23 government agencies replied to the survey

****have guidelines**

7 out of 19 have guidelines

- **Abbott Labs**

No response received.

Kathy McFarland, Research Director
Abbott Labs
Chemical Business Unit
1401 N. Sheridan Rd.
N. Chicago, IL 60064
Tel: (708) 937-5841
Fax: (708) 937-6676

- **Aboriginal Public Policy Institute**

Leonard, Deni. 1993. *The Reintegration of Tribal Tradition into Tribal Public Policy*. Aboriginal Public Policy Institute.

The Reintegration of Tribal Tradition into Tribal Public Policy does not discuss issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

- **Aboriginal and Torres Strait Islander Commission**

Aboriginal and Torres Strait Islander Commission. April 1994. *A Fine and Delicate Balance: A Discussion Paper on ATSIC's Draft Environmental Policy*. ATSIC: Australia.

A Fine and Delicate Balance: A Discussion Paper on ATSIC's Draft Environmental Policy discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Specifically the document highlights key policies and strategies supported by the Australian National Government and traditional laws and customs observed by the Aboriginal and Torres Strait Islanders. Protecting Native Title rights and interests and the preservation of biodiversity are primary goals for ATSIC's environmental policy.

Aboriginal and Torres Strait Islander Commission
Commissioner Charles Perkins
Chairperson
Native Title Social Justice Advisory Committee
ATSIC
Australia
Tel: (06) 2893306
Fax: (06) 2853603

- **Aboriginal and Torres Strait Islander Social Justice Commissioner**

ATSIC, Council for Aboriginal Reconciliation, and Aboriginal and Torres Strait Islander Social Justice Commissioner. *Towards Social Justice?: An Issues Paper*. ATSIC: Australia.

Towards Social Justice?: An Issues Paper discusses issues of intellectual property rights, sea rights, cultural integrity and protection, and protection of cultural property which are relevant to

the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. This document supports equitable sharing of knowledge and benefits.

Aboriginal and Torres Strait Islander Commission
Commissioner Charles Perkins
Chairperson
Native Title Social Justice Advisory Committee
ATSIC
Australia
Tel: (06) 2893306
Fax: (06) 2853603

- **Academy of Natural Sciences of Philadelphia**

No response received.

- **African Development Bank**

No response received.

- **African Wildlife Foundation**

Schultheiss, Andy. March 15, 1994. Personal communication. Washington D.C.

The African Wildlife Foundation does not give out grants, but runs thirty-five projects in East Africa with their own staff. Although they do not have any formal guidelines they work and respect the wishes of the local communities and governments and have thought a good deal about intellectual property rights.

Andy Schultheiss
African Wildlife Foundation
1717 Massachusetts Ave. N.W.
Washington D.C. 20036
Tel: (202) 265-8394
Fax: (202) 265-2361

- **Agricultural Law Center**

Hamilton, Neil D. March 11, 1994. Personal communication. Des Moines, Iowa.

Hamilton, Neil D. February 22, 1994. 'Are Legal Reforms Needed?' AAAS 1994 Annual Conference. San Francisco.

Hamilton, Neil D. 1993. 'Who Owns Dinner: Evolving Legal Mechanisms for Ownership of Plant Genetic Resources.' *The University of Tulsa Law Journal*. Vol 28 No 4.: University of Tulsa.

The Agricultural Law Center does not have any guidelines or materials related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Neil D. Hamilton
Agricultural Law Center
The Law School
Drake University
27th and Carpenter
Des Moines, IA 50311
Tel: (515) 271-2065
Fax: (515) 271-2530

- **Allelix Biopharmaceuticals Inc.**

No response received.

- **American Association for the Advancement of Science (AAAS)**

Chapman, Audrey. 1993. 'Human Rights Implications of Indigenous Peoples' Intellectual Property Rights.' October 1993 AAAS Conference on Intellectual Property Rights and Indigenous Knowledge Granlibakken. Lake Tahoe.

Frankel, Mark S. November 24, 1993. Personal communication. Washington D.C.

AAAS does not have any guidelines, but has written literature on issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Mark S. Frankel
Director, Scientific Freedom, Responsibility and Law Program
AAAS
Directorate for Science and Policy Programs
1333 H Street N.W.
Washington D.C. 20005
Tel: (202) 326-6600
Fax: (202) 289-4950

- **American Committee for International Conservation, Inc.**

No response received.

- **American Conservation Association, Inc.**

Finfelstein, Mami. December 2, 1993. Personal communication. New York, New York.

The American Conservation Association, Inc. does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The private foundation funds conservation projects that increase public understanding and participation in their resolution.

Mami Finkelstein
American Conservation Association, Inc.

30 Rockefeller Plaza
New York, NY 10112

- **American Institute of Biological Sciences, Inc.**

No response received.

- **American Institute of Indian Studies**

American Institute of Indian Studies. 1994. *American Institute of Indian Studies Announcement of Program Studies 1994-1995*. American Institute of Indian Studies: Chicago.

The American Institute of Indian Studies does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

American Institute of Indian Studies
Foster Hall
University of Chicago
1130 East 59th Street
Chicago, IL 60637

- **American Museum of Natural History**

American Museum of Natural History. 1993. *American Museum of Natural History Research Grants Application*. American Museum of Natural History: New York.

The *American Museum of Natural History Research Grants Application* does not mention research ethics and intellectual property rights in their application.

Office of Grants and Fellowships
American Museum of Natural History
Department of Ornithology
Central West at 79th St.
New York, NY 10024

- **American Museum of Natural History**

Joel Cracraft. March 1, 1994. Personal communication. New York, New York.

The American Museum of Natural History Department of Ornithology does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Joel Cracraft
American Museum of Natural History
Department of Ornithology
Central West at 79th St.
New York, NY 10024

- **American Sociological Association**

No response received.

American Sociological Association
1722 N. Street, N.W.
Washington D.C. 20036
Tel: (202) 833-3410

- **American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America**

Barnes, Robert F. May 20, 1996. Personal communication. Madison, Wisconsin.

Barnes, Robert F. May 12, 1994. Personal communication. Madison, Wisconsin.

American Society of Agronomy / Crop Science Society of America / Soil Science Society of America does not have any guidelines, but does have some material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. They have produced some leaflets concerning plant intellectual property rights. The leaflet titled 'Ethical and Social Issues' discusses issues regarding plant intellectual property.

American Society of Agronomy, Crop Science Society of America, and
Soil Science Society of America
Robert F. Barnes
Executive Vice President
677 South Segoe Road
Madison, WI 53711
Tel: (608) 273-8080
Fax: (608) 273-2021
E-mail: rbarnes@agronomy.org

- **Arbeitsgemeinschaft Regenwald und Artenschutz (Working Group on Rainforests and Biodiversity)**

Kuhlmann, Wolfgang. May 17, 1996. Personal communication. Bielefeld, Germany.

ARA does not have any guidelines, but has been working on the steering committee of the German NGO Forum on Environment and Development. They have published three documents related to the Biodiversity Research Protocols: 1) a study on the economic valuation of biodiversity, 2) a study on how the Convention on Biological Diversity is put into practice in Germany, and 3) a book on the different aspects of the conservation of biological diversity.

Wolfgang Kuhlman, Director
ARA
P.O. Box 531
D-4800 Bielefeld-1
Germany
Tel: (521) 65943
Fax: (521) 64975

-
-
- **Arizona-Sonora Desert Museum, Arizona State Museum, Native Seeds/ SEARCH, and UA Indian Studies Program**

Arizona-Sonora Desert Museum, Arizona State Museum, Native Seeds/ SEARCH and UA Indian Studies Program. 1994. *Ethical Conflicts Relating to Native American Knowledge, Beliefs and Resources: A Questionnaire Based Upon Hypothetical Stories*. Arizona-Sonora Desert Museum, Arizona State Museum, Native Seeds/ SEARCH and UA Indian Studies Program: Tucson.

The *Ethical Conflicts Relating to Native American Knowledge, Beliefs and Resources: A Questionnaire Based Upon Hypothetical Stories* is a survey evaluating ethical research practices when working with indigenous peoples. It is not a set of guidelines, but the questions relate to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Gary Nabhan
Native Seeds/ SEARCH
2509 N. Campbell Ave., #325
Tucson, AZ 85719
Tel: (602) 327-9123
Fax: (602) 883-2500

- **Asian Development Bank**

No response received.

- **Asociación de Ecología y Conservación**

No response received.

Tony Luscombe
Vice President
Asociación de Ecología y Conservación
Vanderghen 560-2A
Lima, 27
Perú
Tel: (14) 407-276
Fax: (14) 525-337

- **The Association of Systematics Collections**

Hoagland, K.E. May 28, 1996. Personal communication. Washington D.C.

Hoagland, K.E. (ed). 1994. *Guidelines for Institutional Policies and Planning in Natural History Collections*. The Association of Systematics Collections: Washington D.C.

Hathway, E.C. and K.E. Hoagland (eds.). 1993. *ASC Guidelines for Institutional Database Policies*. The Association of Systematics Collections: Washington D.C.

May 1996 the ASC held a symposium with the Beltsville Area, Agricultural Research Service, USDA on "Global Genetic Resources: Access, Ownership, and Intellectual Property Rights." The symposium volume is in press. According to Dr. Hoagland the ASC believes there could be unintended consequences for basic scientific research and for country's ability to understand and use its biodiversity, if country legislation based on principles of the CBD overly restrict the ability of systematists to perform their internationally-based comparative research on the world's biota (Hoagland, 1996).

The *Guidelines for Institutional Policies and Planning in Natural History Collections* Chapter 11 is on Field Research and Collecting. This chapter outlines "collecting etiquette" such as obtaining research permits, finding an institution or sponsoring scientist in the host country, exchanging of information, stating the purpose of the visit, including host country students, and building institutions. These principles are consistent with the Biodiversity Research Protocols.

The *ASC Guidelines for Institutional Database Policies* are not consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The document discusses the ethical way to share, collect, and conserve systematic collections among large institutions.

Dr. K. Elaine Hoagland, Executive Director
The Association of Systematics Collections
1725 K Street N.W. Suite 601
Washington D.C. 20006-1401
Tel: (202) 835-9050
Fax: (202) 835-7334
E-mail: asc@ascoll.org
<http://www.ascoll.org/>

- **Australian Coordination Committee on Science and Technology**

Mihajlovic, Mira. May 27, 1996. Personal communication. Canberra, Australia

Science and Technology Advisory Branch. 1996. 'Commonwealth-State Working Group (CSWG) on Access to Australia's Biological Resources.' Australian Department of Industry, Science, and Tourism: Canberra.

Coordination Committee on Science and Technology. 1994. *Access to Australia's Biological Resources*. Australian Government Publishing Services: Canberra.

After the publication of *Access to Australia's Biological Resources*, a Commonwealth-State Working Group (CSWG) on Access to Australia's Biological Resources was been formed. This working group has met four times to identify, develop principles, and implement policy. A report is expected to be presented to the government in 1996.

Access to Australia's Biological Resources discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The document summarizes international, national, and local policies and specifically discusses indigenous peoples, research ethics, bioprospecting, and intellectual property rights. The recommendations and themes mentioned in the paper are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows

Mira Mihajlovic
PMSEC, CCST, and GMAC Section
Science and Technology Advisory Branch
Australian Department of Industry, Science, and Tourism

51 Allara Street
Canberra, ACT 2600

GPO Box 9839
Canberra, ACT 2601
Tel: (06) 276-2121
Fax: (06) 276-1176

Manager,
Commonwealth Information Services
Australian Government Publishing Services
GPO Box 84
Canberra ACT 2601
Australia

Office of the Chief Scientist
Department of the Prime Minister and Cabinet
3 -5 National Circuit
BARTON ACT 2600
Australia

- **Australian Council for Overseas Aid**

Turbayne, David. May 14, 1996. Personal communication. Canberra, Australia.

ACFOA does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. ACFOA is the apex body for an estimated 90 overseas aid and development NGOs in Australia. ACFOA participates in consultations with the Australian Department of Foreign Affairs and Trade relating to the Convention on Biological Diversity including the development of a protocol on biosafety.

David Turbayne
Environment and Development Advisor
ACFOA
Private Bag 3
Deakin, ACT 2600
Canberra, Australia
Tel: (61) (6) 285-1816
Fax: (61) (6) 285-1720
E-mail: acfa@peg.apc.org

- **Australian GeneEthics Network**

Australian GeneEthics Network. 1994. *Genetic Engineering Case Studies: The Troubled Helix*. Vol1-3. Australian GeneEthics Network: Victoria.

Australian Conservation Foundation. 1994. *Reflections on the Commonwealth Government's Proposal to Industrialize and Trade in the Genes, Products, and By-products of all Australian Plants, Animals, and Microorganisms*. Department of the Environment, Sport, and Territories Round Table, 14 March 1994. Canberra.

Genetic Engineering Case Studies: The Troubled Helix is a three volume set of an educational textbooks that documents case studies related to the Biodiversity Research Protocol

Reflections on the Commonwealth Government's Proposal to Industrialize and Trade in the Genes, Products, and By-products of all Australian Plants, Animals, and Microorganisms discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. This paper documents the agenda of an Australian Taskforce on the "Gen-Ethics" and specifically the Western Australian CALM Act.

Mr. Bob Phelps, Coordinator
Australian GeneEthics Network
c/o Australian Conservation Foundation
340 Gore Street
Fitroy, Victoria 3065
Australia
Tel: (613) 94161166
Fax: (613) 9416 0767
E-mail: acfgenet@peg.apc.org

- **Bank Information Center**

No response received.

- **Biodiversity Conservation Network**

Biodiversity Conservation Network. 1993. *Preliminary Ethical Guidelines*.

The Biodiversity Conservation Network (BCN) evaluates proposals according to their *Preliminary Ethical Guidelines*. The *Preliminary Ethical Guidelines* are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows and according to the BCN are constantly being improved upon.

- **Biological Science Club**

No response received.

Bambang Ryadisoetrisno, Coordinator
BScC, Jl. H.
Samali No. 10 D
Kalibata, Jakarta 12740
Indonesia
Tel: (62) (21) 797-0148

- **Boehringer Mannheim GmbH**

Buckel, Peter. February 28, 1994. Personal communication. Penzberg, Federal Republic of Germany.

Boehringer Mannheim GmbH does not have any guidelines or material related to the Biodiversity research Protocols proposed by the Pew Conservation Fellows.

Dr. Peter Buckel, Direktor
F & E Biotechnologie
Boehringer Mannheim GmbH
Werk Penzberg
Nonnenwald 2
Postach 11 52
D-8122 Penzberg/Obb.
Federal Republic of Germany
Tel: (0 88 56) 60-28 66
Fax: (0 88 56) 60-26 73

- **Bristol-Myers Squibb Company**

Bristol-Myers Squibb Company. 1993. *Bristol-Myers Squibb Company Third Quarter Report 1993: Special Report on Health Care Reform*. Bristol-Myers Squibb Company: New York.

Bristol-Myers Squibb Company. 1992. *Bristol-Myers Squibb Company Annual Report 1992*. Bristol-Myers Squibb Company: New York.

Bristol-Myers Squibb Company does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Charles A. Heimbold, Jr.
Pharmaceutical and Nutritional Group
Bristol-Myers Squibb Company
345 Park Avenue
New York, NY 10154-0037
Tel: (212) 546-4000

- **Burroughs Wellcome Fund**

Burroughs, Tom. June 3, 1996. Personal communication. Durham, North Carolina.

Burroughs Wellcome Fund does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Tom Burroughs
Burroughs Wellcome Fund.
4709 Creekstone Drive
Suite 100
Durham, NC 27703
Tel: (919) 991-5100
Fax: (919) 941-5884

- **Canadian Museums of Nature Center for Traditional Knowledge**

No response received.

- **Cape York Land Council**

Cape York Land Council. 1994. *Issues Paper: Pajinka Workshop 26-29 April 1994*. Cape York Land Council: Cairns.

The topics in the issues paper are relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Although this document is not a set of ethical guidelines the paper discusses the need to create a protocol and policy for the utilization and protection of intellectual and cultural property rights. Enclosed in the document is a protocol from the Natural Resources Assessment Program of the Cape York Land Use Strategy that the Cape York Land Council would like to develop further.

Cape York Land Council
Cairns, Australia

- **Caribbean Natural Resources Institute**

Caribbean Natural Resources Institute. 1994. *CANARI: Institutional Profile*. St. Lucia.

The Caribbean Natural Resources Institute does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Mr. Yves Renard
Executive Director
Caribbean Natural Resources Institute
P.O. Box 383
Vieux Fort
St. Lucia
Tel: (809) 454-6060
Fax: (809) 454-5188

- **Catalyst**

No response received.

Susan Meeker-Lowry, Director
Catalyst
64 Main St., 2nd Floor
Montpellier, VT 05602
Tel: (802) 223-7943
Fax: (802) 765-4262

- **Center for Development and International Law**

No response received.

- **Center for Marine Conservation**

Norse, Elliot A (ed.). 1993. *Global Marine Biological Diversity: A Strategy for Building Conservation into Decision Making*. Island Press: Washington, D.C.

The Center for Marine Conservation does not have any formal guidelines, but does have material and recommendations for policies and implementation on issues related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Elliot Norse
Center for Marine Conservation
1725 DeSales Street, N.W.
Washington, D.C. 20036
Tel: (202) 429-5609
Fax: (202) 872-0619

- **Center for Plant Conservation**

Meilleur, Brien A. April 14, 1994. Personal communication. St. Louis, Missouri.

Falk, Donald A. and Kent E. Holsinger (eds.). 1991. 'Appendix: Genetic Sampling Guidelines for Conservation Collections of Endangered Plants. *Genetics and Conservation of Rare Plants* Center for Plant Conservation. Oxford University Press: New York.

The Center for Plant Conservation has guidelines and some material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The guidelines consist of recommendations for collecting genetic variation and rare plants.

Brien A. Meilleur
President
Center for Plant Conservation
Missouri Botanical Gardens
Post Office Box 299
St. Louis, MO 63166-0299
Tel: (314) 577-9450
Fax: (314) 577-9465

- **Central Institute of Medicinal and Aromatic Plants**

No response received.

- **Chicago Zoological Society and Bookmark Biosphere Trust**

Bookmark Biosphere Trust. 1996. *Bookmark Biosphere Reserve Action Plan*. Bookmark Biosphere Trust: Berri, South Australia.

Rabb, George. November 23, 1993. Personal communication. Brookfield, Illinois.

The Chicago Zoological Society and Bookmark Biosphere Trust have been meeting with local communities and federal agencies to agree upon principles for sustainable use and development. They do not have, as yet, a formal set of guidelines.

George Rabb
Brookfield Zoo
Chicago Zoological Society

Brookfield, IL 60513
Tel: (708) 485-0263; (312) 242-2630

Mike Harper
Bookmark Biosphere Trust
P.O. Box 231
Berri, S.A. 5343
Australia

- **The Committee for Protection of Human Subjects, U.C. Berkeley**

The Committee for Protection of Human Subjects. 1995. *Guidelines of the Committee for Protection of Human Subjects, Berkeley Campus (CPHS)*. The Committee for Protection of Human Subjects: Berkeley.

The Committee for Protection of Human Subjects. 1995. *Medical Research Subjects Bill of Rights*. The Committee for Protection of Human Subjects: Berkeley.

The Committee for Protection of Human Subjects mentions some issues and guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The Committee for Protection of Human Subjects requires all university researchers to submit a proposal of research for review by The Committee for Protection of Human Subjects. The procedures for recruitment, screening, confidentiality, informed consent, financial aspects, and written materials given to the subjects are all reviewed by the committee. There is no discussion on compensation and intellectual property rights in this document.

The Committee for Protection of Human Subjects
The University of California at Berkeley
Room 5, The A & E Building, #1340
Berkeley, CA 94720-1340
Tel: (510) 642-7461
Fax: (510) 643-6272
E-mail: subjects@uclink3.berkeley.edu

- **The Conservation and Research Foundation**

The Conservation and Research Foundation. January 1994. *Statement of Policies*. The Conservation and Research Foundation: New London.

The Conservation and Research Foundation. 1993. *The Conservation and Research Foundation Five Year Report*. The Conservation and Research Foundation: Kansas City.

The Conservation and Research Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The Conservation and Research Foundation
Box 5261
Connecticut College
New London, CT 06320

- **Conservation International**

No response received.

Mark Plotkin
Conservation International
1015 18th St. N.W.
Suite 1000
Washington, DC 20036
Tel: (202) 429-5660
Fax: (202) 887-5188

- **Consultative Group on Biological Diversity, Inc.**

Consultative Group on Biological Diversity, Inc. 1994. *The Consultative Group on Biological Diversity, Inc.* The Consultative Group on Biological Diversity: New York.

The Consultative Group on Biological Diversity, Inc. does have some guidelines and material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The group is a grantmakers forum focusing upon biological conservation and it is not a grantmaking organization. Instead it creates partnerships between funders, targets specific issues, and educates constituents.

Catherine J. Porter
The Consultative Group on Biological Diversity, Inc.
Lincoln & Torney Building 1013
P.O. Box 29361
San Francisco, CA 94129-0361
Tel: (415) 561-6575
Fax: (415) 561-6490
E-mail: cgbd@cgbd.org

- **The Council of Australian Museum Associations**

The Council of Australian Museum Associations. 1993. *Policies for Museums in Australia and Aboriginal and Torres Strait Islander Peoples*. Presented at the Working Group on Indigenous Populations 11th Session 19-30 July 1993. Australia.

The *Policies for Museums in Australia and Aboriginal and Torres Strait Islander Peoples* focuses upon cultural property, but has some principles that are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Des Griffin, President
The Council of Australian Museum Associations

- **The Cousteau Society**

Morgan, Jeannine C.. February 17, 1994. Personal communication. The Cousteau Society: New York.

The Cousteau Society does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The Cousteau Society, Inc.
777 United Nations Plaza
New York, NY 10017-3585
Tel: (212) 949-6290
Fax: (212) 949-6296

- **Cultural Affairs and Information, Colombo, Sri Lanka**

No response received.

- **The Cultural Conservancy**

The Cultural Conservancy. 1994. *The Cultural Conservancy Spring 1994*. The Cultural Conservancy: Mill Valley.

The Cultural Conservancy does not have any formal guidelines, but is an organization dedicated to the issues related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The organization focus is land and traditional culture preservation. The Cultural Conservancy will aid indigenous peoples in land acquisition, land trusts, property rights, intellectual property rights, and cultural conservation. The Cultural Conservancy has recently completed a "Native Knowledge Working Group Information Packet" that contains current articles on biodiversity issues, intellectual and cultural property rights, globalization, and the human genome diversity project. In addition a packet addressing the issues above from a legal and historical perspective entitled "The Commodification of the Sacred."

Melissa Nelson
The Cultural Conservancy
P.O.Box 72086
Davis, CA 95617
Tel: (916) 759-2285
Fax: (916) 759-2268
E-mail: tcc@igc.apc.org

- **Cultural Survival**

Cultural Survival. 1993. *State of the Peoples: A Global Human Rights Report on Societies in Danger*. Beacon Press: Boston.

Janet McGowan. March 7, 1994. Personal communication. Cambridge, Massachusetts.

Cultural Survival does not have any guidelines, but does have material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The book, *State of the Peoples: A Global Human Rights Report on Societies in Danger*, documents societies in danger. Included in the book are many Indigenous Peoples' statements as well as action groups and individual people working on issues related to social justice, indigenous knowledge, intellectual property rights, biodiversity conservation, land claims, etc.

Janet McGowan
Cultural Survival
46 Brattle St.

- **Declaration of Indigenous People of the Western Hemisphere: Regarding the Human Genome Diversity Project.**

Cultural Survival Quarterly. 1996. "Declaration of Indigenous People of the Western Hemisphere: Regarding the Human Genome Diversity Project February 19, 1995." *Genes, People, & Property: Furor over Genetic Research on Indigenous Groups*. Cultural Survival Inc. Volume 20 Issue 2: Cambridge.

The Declaration addresses specifically patents rights regarding the Human Genome Diversity Project. The document addresses some issues that are related to the Biodiversity Research Protocol.

- **Department of Health and Human Services**

Corn, Milton. May 2, 1994. Personal communication. Bethesda, Maryland.

The Department of Health and Human Services does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Dr. Milton Corn
Department of Health and Human Services
Public Health Service
National Institute of Health
National Library of Medicine
Bethesda, MD 20894

- **Detroit-Genesee County Community-Based Public Health Consortium**

Detroit-Genesee County Community-Based Public Health Consortium. 1994. *Community-Based Public Health Research Principles and Application Procedures*. Ann Arbor.

The *Community-Based Public Health Research Principles and Application Procedures* is consistent with some of the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The *Community-Based Public Health Research Principles and Application Procedures* are written specifically for the Detroit-Genesee County Community to regulate public health research. The document requires researchers to ask permission to do research, collaborate with and involve the community, increase knowledge and promote change in ways that benefit the community.

University of Michigan School of Public Health Team
Ann Arbor, MI 48109

- **Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH (DSMZ)**

Schumacher, H.M. May 14, 1996. Personal communication. Braunschweig, Federal Republic of Germany.

Schumacher, H.M. May 18, 1994. Personal communication. Braunschweig, Federal Republic of Germany.

World Federation for Culture Collections Standards Committee. 1992. *Guidelines for the Establishment and Operation of Collections and Cultures of Microorganisms*. D.L. Hawksworth (ed.). WFCC: Braunschweig.

DSMZ has some material and agreements related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. DSMZ is the national German service collection for biological resources for biotechnology. They collect and distribute microorganisms, bacterial plasmids, fungi, yeasts, plant cell lines, plant viruses, and human/animal cell lines. Presently, only for animal/human cell lines and bacterial plasmids a declaration from clients is requested that the delivered cultures are only used for scientific and not for commercial applications.

Dr. Erko Stackebrandt
Director
Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH
Mascheroder Weg 1b
D-38124 Braunschweig
Federal Republic of Germany
Tel: 05 31 26 16 - 0
Fax: 05 31 26 16 - 418
E-mail: DSMZ@gbf-braunschweig.de
<http://www.gbf-braunschweig-de/DMSZ/dsmzhome.html>

- **Eli Lilly Pharmaceutical**

No response received.

Richard D. DiMarchi, Director of Biochemistry Research
Eli Lilly Pharmaceuticals
Lilly Corporate Center
Indianapolis, IN 46285
Tel: (317) 276-2000

- **Energy Research and Development Administration**

No response received.

- **Environment Canada: Biodiversity Convention Office**

Herity, John. December 15, 1993. Personal communication. Ottawa, Canada.

Environment Citizenship Strategies. 1993. *Environment Canada: Funding Directory for Community Groups*. Environment Canada: Ottawa.

The Biodiversity Convention Office does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The *Environment Canada: Funding Directory for Community Groups* is a list of organizations that fund environmental research, scholarship, and applied projects.

John Herity, Director
Biodiversity Convention Office
Place Vincent Massey
351 St. Joseph Blvd., 4th Floor
Ottawa, Ontario K1A 0H3
Canada
Tel: (819) 953-4374
Fax: (819) 953-1765

- **Environmental Action Foundation, Inc.**

No response received.

- **The Environmental Defense Fund**

Bean, Michael. November 29, 1993. Personal communication. Washington D.C.

The Environmental Defense Fund does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Michael Bean
The Environmental Defense Fund
1875 Connecticut Ave., N.W.
Washington D.C. 20009
Tel: (202) 387-3500
Fax: (202) 234-6049

- **Environmental Law Alliance Worldwide (E-LAW)**

Maddox, Lori. May 29, 1996. Personal communication. Eugene, Oregon

Maddox, Lori. February 2, 1994. Personal communication. Eugene, Oregon.

E-LAW does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. E-LAW supports the work of environmental attorneys and scientists in 50 countries around the world through the free exchange of legal and scientific information. These cases often involve the protection of biodiversity.

Lori Maddox, Associate Director
1877 Garden Ave.
Eugene, OR 97403
Tel: (503) 687-8454
Fax: (503) 687-0535
E-mail: elawus@igc.apc.org

- **Environmental Policy Institute / Friends of the Earth/ Oceanic Society**

No response received.

- **Environmental Solutions**

No response received.

- **European Association for Cancer Research**

No response received.

- **The First National People of Color Environmental Leadership Summit**

The First National People of Color Environmental Leadership Summit. 1991. *Principles of Environmental Justice*. The First National People of Color Environmental Leadership Summit: Washington D.C.

The *Principles of Environmental Justice* is a statement that does not mention issues such as intellectual property rights or research ethics which are topics specifically related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The statement discusses issues related to human rights and the creation of social, environmental, economic, and political equity and justice.

- **Foker LSM Irian Jaya (Irian Jaya NGO Working Group)**

No response received.

Paul Baut, Executive Secretary
Foker LSM
Kotak Pos 224
Abepura, Irian Jaya
Indonesia
Tel: (62) (967) 81-710

- **Food and Agriculture Organization**

Esquinas-Alcazar, Jose. 1996. *Realization of Farmers' Rights* prepared for the Technical Consultation on Implementation Framework for Farmers' Rights, Madras, India, 15-18 January 1996. FAO: Rome.

Progress Report on the Global System for the Conservation and Utilization of Plant Genetic Resources for Food and Agriculture. Twenty-eighth session October 20-November 3, 1995. FAO: Rome.

Esquinas-Alcazar, Jose. 1995. *Plant Genetic Resources and Bioethics* prepared for the Third Session of the International Committee on Bioethics (ICB) of UNESCO, Paris, 28-29 September, 1995. FAO: Rome.

Shand, Hope. 1993. *Harvesting Nature's Diversity*. FAO: Rome.

FAO. 1991. *Draft International Code of Conduct for Plant Germplasm Collecting and Transfer*. Commission on Plant and Genetic Resources, fourth session. 15-19 April 1991. FAO: Rome.

Realization of Farmers' Rights prepared for the Technical Consultation on Implementation Framework for Farmers' Rights, Madras, India, 15-18 January 1996 discusses issues of agro-biosafety, intellectual property rights, and technology transfer. The paper proposed new wording of article 12 of the *Draft International Code of Conduct for Plant Germplasm Collecting and Transfer*.

Harvesting Nature's Diversity discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. This document, written for World Food Day, specifically addresses the relationship between Indigenous Peoples and biodiversity conservation, stewardship of natural resources, and intellectual property rights.

The *Draft International Code of Conduct for Plant Germplasm Collecting and Transfer* is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Edouard Saouma
Director General
Food and Agriculture Organization of the United Nations
Viale delle Terme di Caracalla
00100 Rome
Italy
Tel: (39-6) 57974189 or (39-6) 57975160
Fax: (39-6) 5782610 or (39-6) 57971155

Jose Esquinas-Alcazar, Secretary
Commission on Genetic Resources for Food and Agriculture
Viale delle Terme di Caracalla
00100 Rome
Italy
Tel: (39-6) 57974189 or (39-6) 57975160
Fax: (39-6) 5782610 or (39-6) 57971155

Henri Carsalade, Assistant Director-General
Sustainable Development Department
Convention & UNCED follow-up
Viale delle Terme di Caracalla
00100 Rome
Italy
Tel: (39-6) 57974189 or (39-6) 57975160
Fax: (39-6) 5782610 or (39-6) 57971155

- **Ford Foundation**

Ford Foundation. 1996. Ford Foundation Predoctoral and Dissertation Fellowships for Minorities. Ford Foundation: New York.

Ford Foundation. 1992. *Ford Foundation Annual Report 1992*. Ford Foundation: New York.

The Ford Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Ford Foundation
320 East 43 Street
New York, NY 10017
Tel: (212) 573-5000

- **Forum Komunikasi Masyarakat Hukum Adat & Petani Tradisional (Communication Forum for Traditional Farmers)**

No response received.

Titus Pantir, Director
Martadinata, Gang Raudah RT. XV
No. 18, Samarinda 75128
East Kalimantan, Indonesia

- **Forum Sumber Daya Rakyat (FSDR) (The People's Resource Forum)**

No response received.

Prima Wira Putra
FSDR, J1
Dr. Sutomo
19A, Karang Baru
Mataram, Lombok
NTB, Indonesia
Tel: (62) (364) 22-454

- **Foundation for Deep Ecology**

Imhoff, Quincey T. March 17, 1994. Personal communication. San Francisco, California.

The Foundation for Deep Ecology does not have any material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows

Quincey T. Imhoff
Foundation for Deep Ecology
950 Limbered Street
San Francisco, CA 94133
Tel: (415) 771-1102
Fax: (415) 771-1121

- **The Foundation for Economic Trends**

Mendelson, Joseph. November 23, 1993. Personal communication. Washington D.C.

The Foundation for Economic Trends does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The Foundation for Economic Trends

1660 L Street, N.W. suite 216
Washington D.C. 20036
Tel: (202) 466-2823

• **Foundation for International Environmental Law and Development (FIELD)**

MacKenzie, Ruth. June 11, 1996. Personal communication. London, United Kingdom.

Yamin, Farhana. 1995. "Biodiversity, Ethics, and International law." In *International Affairs*. 71,3 (1995) 529-546.

Canal-Forgues, Eric. 1993. 'Code of Conduct for Plant Germplasm Collecting and Transfer.' In *Review of European Community and International Environmental Law*. Vol. 2 No. 2. Basil Blackwell Ltd.: Oxford.

Sands, Philippe. December 3, 1993. Personal communication. London, United Kingdom.

Yamin, Farhana and Darrell Posey. 1993. 'Indigenous Peoples, Biotechnology and Intellectual Property Rights.' In *Review of European Community and International Environmental Law*. Vol. 2 No. 2. Basil Blackwell Ltd.: Oxford.

FIELD does not have guidelines, but has written literature on issues related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Philippe Sands
Foundation for International Law and Development
SOAS
University of London
46-47 Russell Square
London WC1B 4JP
United Kingdom
Tel: 44 + 71 + 637 7950
Fax: 44 + 71 + 637 7951
E-mail: field@gn.apc.org

• **Four Directions Council**

Four Directions Council. 1993. *Draft Outline: Protection of the Cultural and Intellectual Property of Indigenous Peoples*. Four Directions Council: New York.

The *Draft Outline: Protection of the Cultural and Intellectual Property of Indigenous Peoples* discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The document is an outline to a report for the United Nations on Indigenous Peoples cultural and intellectual property.

Russel Barsh
Four Directions Council
828 Elmwood Ave.
Buffalo, NY 14222
Tel: (716) 884-1944

- **Fundación Natura**

Troya, Robert. 1993. 'Fundación Natura in Ecuador: Its History and Future Plans.' *The Independent Sectors' Network*. Number 24 March 1993: Geneva.

The paper discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Dr. Troya documents the debt-for-nature swap done by Fundación Natura, WWF, and the Nature Conservancy.

Dr. Robert Troya
Chief Executive Officer of Fundación Natura
Casilla Postal 17-01-253
Quito, Ecuador
Tel: (593 2) 44 73 41/2/3/4
Fax: 43 44 49

- **The Garden Club of America**

The Garden Club of America. 1994. *The Garden Club of America*. The Garden Club of America: New York.

The Garden Club of America does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The Garden Club of America
598 Madison Ave.
New York, NY 10022
Tel: (212) 753-8287
Fax: (212) 753-0134

- **The George Gund Foundation**

The George Gund Foundation. 1992. *The George Gund Foundation Annual Report 1992*. The George Gund Foundation: Cleveland.

The George Gund Foundation. 1992. *The George Gund Foundation Guidelines for Grant Applications*. The George Gund Foundation: Cleveland.

The George Gund Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Jon M. Jensen
The George Gund Foundation
1845 Guildhall Building
45 Prospect Avenue West
Cleveland, OH 44115
Tel: (216) 241-3114
Fax: (216) 241-6560

- **Glaxo Holdings p.l.c.**

Seabrook, Ruth. July 1996. Personal communication. London, United Kingdom.

Glaxo Holdings p.l.c.. 1994. *Glaxo in the Community*. Glaxo Holdings p.l.c.: London.

Glaxo Holdings p.l.c.. 1993. *Key Facts 1993*. Glaxo Holdings p.l.c.: London.

Glaxo Holdings p.l.c. does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Public Relations Manager
Glaxo Group Research Limited
891-995 Greenford Road
Greenford
Middlesex UB6 OHE

Mr. S.M. Bicknell, Manager
Charitable Contributions
Glaxo Holdings p.l.c
Lansdowne House
Berkeley Square
London W1X 6BP

- **Global Environment Facility**

Cruz, Maria Concepción J. June 25, 1996. Personal communication. Washington, D.C.

Global Environment Facility. 1996. *Public Involvement in GEF Projects*. GEF Council Meeting Washington D.C. April 2-4, 1996. GEF: Washington D.C.

Davis, Shelton H (ed.). 1993. *The Social Challenge of Biodiversity Conservation*. Working Paper Number 1. GEF: Washington D.C.

In February 1996 GEF Council approved *Public Involvement in GEF Projects*. The document describes the responsibilities of GEF's Implementing Agencies and Secretariat. These guidelines discuss issues related to Biodiversity Research Protocols such as participation of government agencies, local people, and NGO's in GEF projects. In addition, GEF focuses upon transparency and accountability in GEF funded projects with emphasis on ethics, rights, and ownership. In late 1996 the GEF will be writing case studies documenting public involvement with indigenous communities, women and landless households (Cruz, 1996).

The Social Challenge of Biodiversity Conservation includes three case studies documenting the relevance of indigenous peoples and NGO's in biodiversity conservation. This working paper recommends to the GEF and other international and in-country agencies to incorporate and protect indigenous people's knowledge. In addition, the authors feel that a main goal of GEF - funded biodiversity research and training programs should be to aid and train indigenous peoples in scientific conservation natural resource management skills so the local community can be self-sufficient. The recommendations and ideas presented in the working paper are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows, although there is no discussion of biodiversity prospecting.

Maria Concepción J. Cruz

Social Scientist
The Global Environment Facility
1818 H Street, N.W.
Washington, DC 20433 USA

- **Great Barrier Reef Marine Park Authority**

No response received.

Ross Williams, Aboriginal Liaison
Great Barrier Reef Marine Park Authority
G.P.O. Box 791
Canberra City, A.C.T. 2601
Australia
Tel: (062) 47 0211
Fax: (062) 475761

Dominique Benzaken, Research and Monitoring Section
Great Barrier Reef Marine Park Authority
2-68 Flinders Street
P.O. Box 1379
Townsville, QLD. 4810
Australia
Tel: (61) (77) 500 700

- **Greenpeace Council**

No response received.

Greenpeace Council
Keizersgracht 176
1016 DW Amsterdam
Netherlands
Tel: 20-253-6555
Fax: 20-523-6500

- **Greenpeace USA**

No response received.

Campbell Plowden, Coordinator
Tropical Rainforest
Campaign/Greenpeace
1436 U St. N. W.
Washington, D.C. 20009
Tel: (202) 462-1177
Fax: (202) 462-4507

- **Harvard University Botanical Gardens**

No response received.

- **Hawaii Audobon Society**

No response received.

- **The Healing Forest Conservancy**

Shaman Pharmaceuticals. 1996. Draft of "Agreement of Principles." Shaman Pharmaceuticals: South San Francisco.

Moran, Katy. 1996. "Returning Benefits from Ethnobotanical Drug Discovery to Native Peoples." Proceedings from National Institutes of Health, National Science Foundation and Smithsonian Conference "Biodiversity and Human Health. Island Press: Washington D.C. (In Press).

King, Steven R., Thomas J. Carlson and Katy Moran. 1996. "Biological Diversity, Indigenous Knowledge, Drug Discovery and Intellectual Property Rights". In: *Valuing Local Knowledge: Indigenous Peoples and Intellectual Property Rights*. Stephen B. Brush and Doreen Stabinsky (eds.). Island Press: Washington D.C.

King, Steven R. and Thomas J. Carlson. 1995. 'Biocultural Diversity, Biomedicine and Ethnobotany: The Experience of Shaman Pharmaceuticals.' In *Interciencia Journal of Science and Technology of the Americas*. May-June 1995: Vol. 20 N. 3.

Moran, Katy. 1994. "Conservation of Biocultural Diversity through the Healing Forest Conservancy". In, *Intellectual Property Rights for Indigenous Peoples, A Sourcebook* (T.Greaves, ed.). The Society for Applied Anthropology: Oklahoma City.

King, Steven R. 1994. 'Establishing Reciprocity: Biodiversity, Conservation and New Models for Cooperation Between Forest-Dwelling Peoples and the Pharmaceutical Industry.' In, *Intellectual Property Rights for Indigenous Peoples, A Sourcebook* (T.Greaves, ed.). The Society for Applied Anthropology: Oklahoma City.

Shaman Pharmaceutical's policies and practices presented in the Draft of "Agreement of Principles are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The company has established a non-profit, The Healing Forest Conservancy, to administer long-term compensation and benefits to the local communities that have collaborated with Shaman.

Katy Moran
The Healing Forest Conservancy
3521 S. Street N.W.
Washington D.C. 20007
Tel./Fax: (202) 333-3438

Dr. Steven King
Shaman Pharmaceuticals, Inc.
213 East Grand Ave.
South San Francisco, CA 94080-4812
Tel: (415) 952-7079

Fax: (415) 873-1463

See also Shaman Pharmaceuticals, Inc.

- **Herbarium Bogoriense**

No response received.

- **Indian and Northern Affairs Canada**

McFarland, Fred. February 22, 1994. Personal communication. Hull, Quebec.

Submission to Science Managers' Committee on Contaminants in Northern Ecosystems and Native Diets October 1993. 1993. Workshop on Guidelines for Responsible Research September 22-23, 1993. Indian and Northern Affairs Canada: Yellowknife.

Submission to Science Managers' Committee on Contaminants in Northern Ecosystems and Native Diets October 1993. 1993. AES - Contaminants Program Researcher Guidelines for Planning Communications and Community Participation. Indian and Northern Affairs Canada: Yellowknife.

The Indian and Northern Affairs Canada guidelines are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. In their internal guidelines, AES-Contaminants Program Researcher Guidelines for Planning Communications and Community Participation, the indigenous people are intimately involved throughout the project and have been responsible for actively protecting and designing the terms and conditions under which information and resources are accessed.

Indian and Northern Affairs Canada
10 Wellington Street, North Tower
Les Terrasses de la Chaudiere, 6th Floor, Room 648
Hull, Quebec K1A 0H4
Canada

- **Indigenous Biodiversity Network**

Indigenous Peoples' Statement to the Intergovernmental Committee on the Convention of Biological Diversity. 1993. United Nations, October 14 1993. United Nations: Geneva.

The *Indigenous Peoples' Statement to the Intergovernmental Committee on the Convention of Biological Diversity* discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Specifically the statement addresses the Adoption of Agreements on Environment and Development: Agenda 21 article 8(j) and article 10(c).

Indigenous Biodiversity Network
Alejandro Argumedo
Suite 620, 1 Nicholas St.
Ottawa, ON
Canada K1N 7B7
Tel: (613) 233-4653
Fax: (613) 233-2292

- **Institute of Agriculture and Trade**

No response received.

- **Instituto Nacional de Biodiversidad (INBio)**

Nader, Werner. August 2, 1996. Personal communication. Santo Domingo, Costa Rica.

Sittenfeld, Ana and Renata Villers. 1993. 'Exploring and Preserving Biodiversity in the Tropics: the Costa Rican Case.' *Current Opinion in Biotechnology*. 4:280-285.

INBio does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. 'Exploring and Preserving Biodiversity in the Tropics: the Costa Rican Case' describes the research projects and collections they are currently working on in collaboration with Merck & Co.

INBio

Dr. Werner Nader

Integrated Expert of German Technical Cooperation

Biotechnology, Gene Technology, Business Development

Apartado Postal 22-3100

Santo Domingo

Heredia, Costa Rica

Tel: (506) 244-0690

Fax: (506) 244-2816 or - 0693

E-mail: wnader@maruca.inbio.ac.cr

<http://www.inbio.ac.cr>

- **Inter-American Foundation**

Inter-American Foundation. 1993. *Inter-American Foundation Fellowship Programs for Grassroots Development*. Inter-American Foundation: Arlington.

The Inter-American Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Although, the Inter-American Foundation promotes grassroots development and encourages collaboration with state and local governments.

Inter-American Foundation

901 N. Stuart Street

10th Floor, Dept. 555

Arlington, VI 22203

- **International Alliance of the Indigenous Tribal Peoples of the Tropical Forest**

International Alliance of the Indigenous Tribal Peoples of the Tropical Forest. 1992. *Statement of the International Alliance of the Indigenous Tribal Peoples of the Tropical Forest*. Penang.

The statement discusses issues related to access and control of resources for the indigenous tribal peoples of the tropical forest. It specifically addresses rights, territory, development policy, forest policy, biodiversity conservation, decision making, and intellectual property. It is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

- **International Association of Medicine and Biology of the Environment**

No response received.

- **International Association of the Mataatua Declaration**

Tribes of Mataatua. 1993. *The Mataatua Declaration on Cultural Property Rights of Indigenous Peoples June 1993*. First International Conference on the Cultural and Intellectual Property Rights of Indigenous Peoples Whakatane 12 -18 June 1993. Aotearoa.

The nine tribes of Mataatua in Aotearoa, New Zealand gathered and wrote a document advising other indigenous groups; states, national, and international agencies; and the United Nations on issues related to control and access to Indigenous territories and knowledge. The Declaration recommends to all Indigenous Peoples how they can further protect their territories and cultural and intellectual property rights against exploitation. The *Mataatua Declaration on Cultural Property Rights of Indigenous Peoples June 1993* is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Aroha Mead
Director
Intentional Association of the Mataatua Declaration
P.O. Box 76
Whakatane, New Zealand
Fax: 64 7 307 0762
E-mail: aroham@nzonline.ac.nz

- **International Board for Plant Genetic Resources (IBPGR)**

IBPGR. 1992. *Mid-Term Meeting, May 18-22, 1992 Istanbul, Turkey CGIAR: Discussion Document on Intellectual property, Biosafety and Plant Genetic Resources*. IBPGR: Rome.

The CGIAR draft guidelines are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Like the FAO guidelines they acknowledge "Farmers' Rights" for the contribution to plant genetic resources.

Dr. L. Brader
IBPGR
c/o FAO of the United Nations
Via delle Sette Chiese 142
00145 Rome, Italy
Tel: (39-6) 518921
Fax: (39-6) 5750309

- **International Federation of Pharmaceutical Manufacturers Association**

No response received.

- **International Fund for Agricultural Development (IFAD)**

Cooper, David. 1993. *Plant Genetic Diversity and Small Farmers: Issues and Options for IFAD*. Staff Working Paper 13. IFAD: Rome.

Markandya, Anil and Nessim Ahmad. 1993. *Environment and Rural Poverty Alleviation: An Examination of the Case for Grant Financing*. Staff Working Paper 12. IFAD: Rome.

Plant Genetic Diversity and Small Farmer's: Issues and Options for IFAD outlines new considerations and policies and discusses issues related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. This working paper surveys and then summarizes international agreements and policy statements on biodiversity conservation and plant genetic resources. The author then assesses IFAD's development policy and possible changes to their policy and practice. Possible changes may include addressing the issues of genetic diversity, traditional uses of diversity, impact of IFAD intervention, and benefits for small farmers.

Environment and Rural Poverty Alleviation: An Examination of the Case for Grant Financing discusses issues related to environmental and economic costs and benefits of grant financing.

Abdelmajid Slama, Director
IFAD
Technical Advisory Division
107, Via del Serafico
00142 Rome, Italy
Tel: 39-6-54591
Fax: 39-6-5191702

- **International Institute of Tropical Agriculture**

No response received.

- **International Maritime Organization**

IMO. 1995. *IMO: What it is, What it Does, How it Works*. IMO: London.

The IMO does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Mr. William A. O'Neil, Secretary-General, IMO
4 Albert Embankment
London, SE1 7SR
United Kingdom
Tel: 0171-735 7611
Fax: 0171-587 3210

- **International Monetary Fund**

Mauprivez, Bruno J. January 24, 1994. Personal communication. Washington D.C.

The International Monetary Fund does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Bruno J. Mauprivez
Public Affairs Officer
International Monetary Fund
Washington, D.C. 20431

- **International NGO Forum on Indonesia**

No response received.

Agus Rumansara
INGI, J1
Penjemihan I
Kompleks Keuangan No. 10
Jakarta 10210, Indonesia

- **International Pharmaceutical Federation**

No response received.

- **International Society of Ethnobiology**

International Society of Ethnobiology. 1994. *Draft of Covenant Between a Responsible Corporation, Scientist or Scientific Institution and An Indigenous Group*. ISE: Oxford.

The *Draft of Covenant Between a Responsible Corporation, Scientist or Scientific Institution and An Indigenous Group* are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The covenant lists specific responsibilities required in the partnership between researchers and indigenous peoples for the culture, community, society, environment, region, and nation/state.

Dr. Timothy Johns, President
c/o Department of Anthropology
McGill University
Montreal, Quebec
Canada
E-mail: johns@agradm.lan.mcgill.ca

- **International Society for Human and Animal Mycology (ISHAM)**

No response received.

- **International Society of Tropical Foresters (ISTF)**

No response received.

Warren T. Doolittle, President
ISTF
5400 Grosvenor Lane
Bethesda, MD 20814
Tel: (301) 897-8720

- **IUCN The World Conservation Union**

Glowka, Lyle. December 7, 1993. Personal communication. Bonn, Germany.

McNeely, A. Jeffrey. December 3, 1993. Personal communication. Gland, Switzerland.

IUCN and Environmental Law Centre. 1993. *The Convention on Biological Diversity An Explanatory Guide: Draft Text October 1993*. IUCN and Environmental Law Centre: Bonn.

The IUCN does not have any formal guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. According to Jeffrey A. McNeely the IUCN believes that maximum benefits should be gained by people closest to the natural resources. However, the IUCN advocates policy changes at the central government level to use economic incentives to promote conservation.

Jeffrey A. McNeely
Chief Biodiversity Officer
IUCN The World Conservation Union
Rue Mauverney 28
CH-1196 Gland, Switzerland
Tel: 4122-999 0001
Fax: 4122-999 0002

Lyle Glowka
Project Officer
Biological Diversity
IUCN The World Conservation Union
Rue Mauverney 28
CH-1196 Gland, Switzerland
Tel: 4122-999 0001
Fax: 4122-999 0002

- **IUCN Botanic Gardens Conservation Secretariat, WWF, FAO, UNEP, UNESCO, and IBPGR**

IUCN Botanic Gardens Conservation Secretariat, WWF, FAO, UNEP, Unesco, and IBPGR.
1989. *The Botanic Gardens Conservation Strategy*. WWF and IUCN BGCS: Gland.

The Botanic Gardens Conservation Strategy discusses some issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The document is designed to outline how Botanic Gardens can contribute to the World Conservation Strategy by protecting

and preserving biological and genetic resources. In addition, *The Botanic Gardens Conservation Strategy* discusses 'North-South' collaboration between Botanic gardens, but does not mention Indigenous knowledge or intellectual property rights.

IUCN Botanic Gardens Conservation Secretariat, WWF, FAO, UNEP, Unesco, and IBPGR
Peter S. Wyse Jackson
Botanic Gardens Conservation International
Descanso House
199 Kew Road
Richmond
Surrey TW9 3BW
United Kingdom
Tel: 081 940 0047/948 8827
Fax: 081 948 4363

• **IUCN Ethics Working Group Commission on Environmental Strategy and Planning**

Seutin, Gilles and Catherine Potvin. June 7, 1996. Personal communication. Montreal Canada.

Engel, J. Ronald and Julie Denny-Hughes (eds.). 1993. *Advancing Ethics for Sustainable Living: Report of the IUCN Ethics Workshop April 1993, Indiana Dunes National Lakeshore U.S.A.*. IUCN and International Center for the Environment and Policy: Sacramento.

IUCN. 1994. *Draft Guidelines for the Ecological Sustainability of Nonconsumptive and Consumptive Uses of Wild Species*. Gland.

The ethics committee is planning a conference October 21, 1996 to develop guidelines entitled "good manners" for biologists in developing countries (Seutin & Potvin, 1996). This document would address issues related to the Biodiversity Research Protocols.

Advancing Ethics for Sustainable Living: Report of the IUCN Ethics Workshop April 1993, Indiana Dunes National Lakeshore U.S.A. documents goals and strategies the IUCN Ethics Group proposes to further study and try to implement ethical sustainable living. These goals are primarily based upon *Caring for the Earth* and include protecting the ethical systems of indigenous peoples. This paper discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The *Draft Guidelines for the Ecological Sustainability of Nonconsumptive and Consumptive Uses of Wild Species* are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

J. Ronald Engel, Chair
Meadville/Lombard Theological School
5701 S. Woodlawn Avenue
Chicago, IL 60637
Tel: (312)753-3199
Fax: (312) 753-1323

Catherine Potvin & Gilles Seutin
Department of Biology
McGill University
1205 Dr. Penfield Avenue
Montreal, Quebec
Canada H3A 1B1

Tel: (514) 398-6400
Fax: (514) 398-5069
E-mail: cspotvin@biol.lan.mcgill.ca

Dr. Thaddeus C. Trzyna
Commission Chair, Commission on Environmental Strategy and Planning
California Institute of Public Affairs
P.O. Box 189040
Sacramento, CA 95818
Tel: (916) 442-2472
Fax: (916) 442-2478

- **IUCN Species Survival Commission & Commission on Environmental Strategy and Planning**

IUCN Species Survival Commission & Commission on Environmental Strategy and Planning.
December 1993. *Towards Guidelines for Ethical Uses of Wild Species: A Report*. IUCN:
Gland.

This paper discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The main goal of the document *Towards Guidelines for Ethical Uses of Wild Species: A Report* is to produce a practical set of guidelines aiding individuals, managers, communities, and governments in ethical uses of wild species and natural systems i.e. killing animals, holding captured animals, harvesting of products. This preliminary paper discusses questions that seven authors on the Commissions answer. Indigenous values and knowledge systems are mentioned in the paper, but there is no in-depth discussion on biodiversity prospecting, intellectual property rights or compensation for indigenous communities.

J. Ronald Engel, Chair
Meadville/Lombard Theological School
5701 S. Woodlawn Avenue
Chicago, IL 60637
Tel: (312)753-3199
Fax: (312) 753-1323

- **IUCN, WWF, and WHO**

IUCN, WWF, WHO. 1993 *Guidelines on the Conservation of Medicinal Plants*. IUCN, WWF,
WHO: Gland.

The *Guidelines on the Conservation of Medicinal Plants* are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The relationship between the researchers who access, explore, and study biodiversity, and the local communities and peoples who protect, create, and own biodiversity is not discussed in the guidelines.

Mr. J. Thorsell
IUCN
Rue Mauverney 28
CH-1196 Gland, Switzerland

Mr. P. Wachtel

WWF International
Gland, Switzerland

Dr. O. Akerele
World Health Organization
Geneva, Switzerland

- **International Union of Pharmacology**

No response received.

- **Iowa State University of Science and Technology**

Warren, D. Michael. February 7, 1994. Personal communication. Ames, Iowa.

Iowa State University of Science and Technology does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Dr. Michael Warren
Iowa State University of Science and Technology
Department of Anthropology
319 Curtiss Hall
Ames, IA 50011-1050

- **The Herb Society of America, Inc.**

The Herb Society of America, Inc. 1992. *The Herb Society of America, Inc. Research and Education Grant*. The Herb Society of America, Inc: Mentor.

The Herb Society of America, Inc. does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Research and Education Grant
The Herb Society of America, Inc.
9019 Kirtland Chardon Road
Mentor, OH 44060

- **Jul'ayinbul Statement on Indigenous Intellectual Property Rights**

Jul'ayinbul Statement on Indigenous Intellectual Property Rights. 1993. *Declaration Reaffirming the Self Determination and the Intellectual Property Rights of the Indigenous Nations and Peoples of the Wet Tropics Rainforest Area*. Cape York Land Council: Jingabul.

The *Declaration Reaffirming the Self Determination and the Intellectual Property Rights of the Indigenous Nations and Peoples of the Wet Tropics Rainforest Area* is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The declaration states that the Peoples of the Wet Tropics will negotiate joint-management programs with researchers and agencies trying to care and protect biodiversity if they deem appropriate. All discoveries based upon indigenous knowledge must be compensated; and furthermore,

discoveries based upon indigenous knowledge must be compensated; and furthermore, unauthorized use of intellectual property rights is prohibited. The statement does not go into detail of a code of conduct or behavior for researchers, but rather states legal rights as a self-determined Indigenous Nation.

Gertrude Davis
Cape York Land Council
Cairns, Queensland
Australia

- **Kari - Oca Declaration**

The World Conference of Indigenous Peoples on Territory, Environment, and Development. 1992. *Kari-Oca Declaration*. Kari-Oca, Brazil May 30, 1992.

The World Conference of Indigenous Peoples on Territory, Environment, and Development issued this statement prior to the 1992 "Earth Summit". The declaration was signed in Kari-Oca, Brazil May 30, 1992. It is consistent with the Biodiversity Research Protocol proposed by the Pew Conservation Fellows.

- **Karnataka Farmers' Association**

Kohr, Martin. 1993. "500,000 Indian Farmers Rally Against GATT and Patenting of Seeds". *Third World Resurgence*. No. 39:20-22.

At the International Conference on Third World Farmers' Rights and Sustainable Agriculture the KRRS (Karnataka Farmers' Association) and the Third World Network wrote a statement that was adopted October 4, 1993 which is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

- **Kolompok Studi Pengembangan Prakarsa Masyarakat (KSPPM) (Study Group for the Development of People's Initiatives)**

Sitorus, Eliakim. May 24, 1996. Personal communication. Parapat, Indonesia.

KSPPM does not have any information related to the Biodiversity Research Protocol.

Eliakim Sitorus, Director
KSPPM
Jin. Josep Sinaga
62 Parapat-21174, Indonesia
Tel: (0625) 41140
Fax: (0625) 41731

- **Kowanyama Aboriginal Land and Natural Resource Management Office**

Sinnaman, Viv. August 2, 1996. Personal communication. Kowanyama, Australia.

Sinnaman, Viv. 1994. 'Self-Governance Planning for a Future.' *CYPLUS Backtalk*. July 1994: Cairns.

Stewart, Geoff. *People, Plants, and Wangarr Wirws*. Kowanyama Aboriginal Land and Natural Resource Management Office: Kowanyama

The people of Kowanyama do not have a formal set of guidelines at the time. Although they are working on a document. Elders and traditional owners of the Kowanyama indigenous community decided at a meeting with State and National Landuse Strategy representatives to not allow collection of biological and cultural data on their lands during the Phase 1 of the Cape York Landuse Study. Although, some research involving biologists and community researchers has been conducted when the Aboriginal Council felt the work was beneficial to the community.

'Self-Governance Planning for a Future' discusses Contemporary Indigenous Resource Management.

People, Plants, and Wangarr Wirws discusses bush medicine and foods. There is no discussion of intellectual property rights, research ethics etc.

Viv Sinnamon
Kowanyama Aboriginal Land and Natural Resources Management Office
Gilbert White Street
Kowanyama
Cape York Peninsula
North QLD, 4871
Australia
Tel: 61 70 605187
Fax: 61 70 605 250

- **Lembaga Alam Tropika Indonesia (LATIN) (Indonesian Tropical Institute)**

No response received.

Tri Nugroho, Vice-Director
LATIN
Kompleks Baranangsiang III No. B16
Bogor 16144
Indonesia
Tel: (62) (251) 314-242
Fax: (62) (251) 312-810

- **The John D. and Catherine T. MacArthur Foundation**

The John D. and Catherine T. MacArthur Foundation. 1995. *The John D. and Catherine T. MacArthur Foundation Programs and Policies 1995-1996*. The John D. and Catherine T. MacArthur Foundation: Chicago.

The John D. and Catherine T. MacArthur Foundation. 1994. *The John D. and Catherine T. MacArthur Foundation Report on Activities 1994*. The John D. and Catherine T. MacArthur Foundation: Chicago.

managers, and policy-makers and studying indigenous agriculture and resource use as well as many other projects with different focuses on the biological conservation.

The John D. and Catherine T. MacArthur Foundation
140 South Dearborn Street
Suite 1100
Chicago, IL 60603-5285
Tel: (312) 726-8000
Fax: (312) 920-6258

- **Marine Conservation Society**

No response received.

Marine Conservation Society
9, Gloucester Road
Ross-on-Wye
Herefordshire HR9 5BU
United Kingdom
Tel: 98-96-60-17

- **Maryland Biotechnology Institute**

No response received.

- **Medicina da Terra**

No response received.

David Lenders, MD
Medicina da Terra
P.O. Box 315
Norwood, CO 81423
Tel: (303) 327-4689

- **Mennonite Central Committee**

Friesen, Berry. January 20, 1994. Personal communication. Akron, Pennsylvania.

The Mennonite Central Committee does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Berry Friesen
Director of Administration and Resources
Mennonite Central Committee
21 South Street
P.O. Box 500
Akron, PA
17501-0500

Tel: (717) 859-1151
Fax: (717) 859-2171

- **Merck & Co., Inc.**

No response received.

Merck & Co., Inc.
P.O. Box 2000
126 E. Lincoln Ave.
Rahway, NJ 07065-0900
(908) 574-4000

- **Miles Inc.**

No response received.

Miles Inc.
One Mellon Center
500 Grant St.
Pittsburgh, PA 15219-2502
Tel: (412) 394-5500
Fax: (412) 394-5579

- **Minewatch**

No response received.

Richard Solly
Minewatch
218 Liverpool Rd.
London N1 1LE
United Kingdom
Tel: (44) (71) 609-1852
Fax: (44) (71) 700-6189

- **Miter Insani**

No response received.

Franz Samue Ampong, Coordinator
Mitra Insani
J1 Lawu No. 1081 A.
Bukit Hindu, Palangkaraya 73112
Central Kalimantan, Indonesia
Fax: (62) (514) 22-618

- **Monsato Co.**

No response received.

Nicholas L. Reding, Executive V.P. Environment, Safety, Health, and Manufacturing
Monsanto Co.
800 N. Lindbergh Blvd.
St. Louis, MO 63167
Tel: (314) 694-1000

- **Museum of Comparative Zoology**

No response received.

- **Nanjing Botanical Garden**

No response received.

- **National Audubon Society**

No response received.

- **National Cancer Institute**

National Cancer Institute. 1993. *Agreement Between Source Country and Developmental Therapeutics Program Division of Cancer Treatment National Cancer Institute*. National Cancer Institute.

The *Agreement Between Source Country and Developmental Therapeutics Program Division of Cancer Treatment National Cancer Institute* is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Dr. Samuel Broder, Director
National Cancer Institute

- **National Geographic Society**

National Geographic Society. 1996. *Grants for Field-Based Scientific Research*. National Geographic Society Committee for Research and Exploration: Washington, D.C..

National Geographic Committee for Research and Exploration. April 1996. "Understanding Our World." *National Geographic*: Washington D.C.

The National Geographic Society does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Steven S. Stettes, Secretary
Committee for Research and Exploration
National Geographic Society
17th and M Streets N.W.
Washington, D.C. 20036

- **National Institute of Health (NIH)**

No response received.

- **National Museum of Natural History**

National Museum of Natural History. 1994. *National Museum of Natural History Marine Biodiversity Policy Statement*. Washington D.C.

The *National Museum of Natural History Marine Biodiversity Policy Statement* does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. This document discusses the collection and classification of marine biodiversity.

- **National Research Council**

Petrochenkov, Margaret. May 16, 1996. Personal communication. Washington D.C.

National Research Council. 1996. *1996 Predoctoral Fellowships in Biological Sciences Program Announcement*. National Research Council: Washington D.C..

Under "Conditions of Appointment" the fellows are expected to follow all regulations and laws regarding research on human subjects, human care, laboratory animals, and safety in the laboratory.

Margaret Petrochenkov
Program Specialist
National Research Council
Office of Scientific and Engineering Personnel
2101 Constitution Ave., N.W.
Washington, D.C. 20230
Tel: (301) 443-8910
<http://www.nas.edu/fo/index.html>

- **National Science Foundation**

National Science Foundation. 1994. *National Science Foundation Guide to Programs Fiscal Year 1994*. National Science Foundation: Arlington, VA.

The National Science Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

National Science Foundation

4201 Wilson Blvd.
Arlington, VA 22230

- **National Wildlife Federation**

National Wildlife Federation. 1993. *Information Directory*. Washington D.C.

The National Wildlife Federation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Jay D. Hair
National Wildlife Federation
1400 Sixteenth Street, N.W.
Washington D.C. 20036-2266
Tel: (202) 797-6600
Fax: (202) 797-6646

- **The Nature Conservancy**

No response received.

Latin American Program
The Nature Conservancy
1815 North Lynn St.
Arlington, VA 22209
Tel: (703) 841-5300
Fax: (703) 841-1283

- **The New York Botanical Gardens, Chex Tropical Research Center, and Belize Association of Traditional Healers**

M.J. Balick, R. Arvigo, and L. Romero. 1994. "The Development of an Ethnobiomedical Forest Reserve in Belize: Its Role in the Preservation of Biological and Cultural Diversity." *Conservation Biology*. 8.1 (1994): 316-317.

Balick, M.J. March 15, 1994. Personal communication. New York, New York.

Daly, Douglas C. January 20, 1994. Personal communication. New York, New York.

The New York Botanical Gardens follows two sets of guidelines. They have an in-house set of guidelines for research for drug-discovery research arrangements as well as the National Cancers Institute's Letter of Intent for research in collaboration with the NCI and a number of Latin American countries. Michael Balick enclosed an article that documents the creation of the world's first ethnobiomedical reserve in collaboration with the three organizations listed below. The Terra Nova Rainforest Reserve is an example of the benefits that could arise between pharmaceutical research and local communities and is an excellent example of implementation of the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The New York Botanical Gardens
Michael J. Balick
Director and Curator

Institute of Economic Botany
Bronx, NY 10458-5126
Tel: (718) 817-8763
Fax: (718)220-1029

Rosita Arvigo
ix Chei Tropical Research Center
San Ignacio, Cayo District, Belize

Leopoldo Romero
President, Belize Association of Traditional Healers
c/o General Delivery
San Ignacio, Cayo District, Belize

- **Organizacao Metareila do Povo Indigena Surui**

No response received.

- **Organization for Tropical Studies**

Hartshorn, Gary S. May 13, 1996. Personal communication. Durham, North Carolina.

Stone, Donald. November 30, 1993. Personal communication. Durham, North Carolina.

Organization for Tropical Studies does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

OTS
Dr. Gary S. Hartshorn, Executive Director
Box 90630
Durham, NC 27708-0630
Tel: (919) 684-5774
Fax: (919) 684-5661
E-mail: nao@acpub.duke.edu

- **Overseas Development Administration**

Kate, Kerry ten. 1995. *Biopiracy or Green Petroleum? Expectations & Best Practice in Bioprospecting*. ODA: London.

This document discusses the policy and practice of bioprospecting of the companies, governments, research institutes, and NGO's. In the chapter 6, 'Developing a Biodiversity Strategy', and Chapter 7, Conclusions and Recommendations the author outlines policies in keeping with the Biodiversity Research Protocols.

Kerry ten Kate
Overseas Development Administration
Environmental Policy Department
94 Victoria Street
London SW1E5JL

United Kingdom

- **Oxfam America**

No response received.

- **Pacific Institute of Resource Management**

No response received.

- **Partners in Science: Science Advancement Programs Research Corporation**

No response received.

- **Pathfinders Institute, Inc.**

No response received.

Ed Murphy, President
Pathfinders Institute
165 Caroline St.
Saratoga Springs, NY 12866
Tel: (1) (518) 587-7361
Fax: (1) (518) 587-5469

- **Pelangi**

No response received.

Agus Pumomo, Director
Pelangi
J1. Penjernihan I/7B
Pejompongan 10210
Jakarta, Indonesia
Tel: (62) (21) 573-2836
Fax: (62) (21) 573-2836
E-mail: apumomo@en.apc.org

- **Pennsylvania State University, Department of Biology**

Uhl, Chris. January 25, 1994. Personal communication. University Park, Pennsylvania.

Pennsylvania State University does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Chris Uhl

Department of Biology
Eberly College of Science
The Pennsylvania State University
208 Erwin W. Mueller Laboratory
University Park, PA 16802-5301

- **Penobscot Nation**

Sappier, J. 1991. *Certification: Penobscot Nation*. Old Town.

The *Certification: Penobscot Nation* requires researchers to obtain certification before they can possess the rights to artifacts, biodiversity, and cultural sites. The Certification is not a set of guidelines, although the researcher is required to contact the Penobscot Nation to receive the Certificate and Tribal Seal.

James G. Sappier
Office of the Governor and Council
Community Building
Indian Island
Old Town, ME 04468
Tel: (207) 827-7776
Fax: (207) 827-6042

- **The Pew Charitable Trusts**

The Pew Charitable Trusts. 1993. *The Pew Charitable Trusts 1993 Program Guidelines*. The Pew Charitable Trusts: Philadelphia.

The Pew Charitable Trusts does not have any material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The objectives and guidelines of their Conservation and Environment Program requires Fellows to "integrate conservation activities with social, political, and economic reforms."

The Pew Charitable Trusts
One Commerce Square
2005 Market Street, Suite 1700
Philadelphia, PA 19103-7017
Tel: (215) 575-9050
Fax: (215) 575-4939

- **Pfizer, Inc.**

No response received.

R. Neimath, Executive VP of International Pharmaceuticals
Pfizer, Inc.
235 E. 42nd St.
New York, NY 10017
Tel: (212) 573-2323

- **Pharmagenics**

No response received.

Arthur Bertelsen, Director Molecular and Cellular Biology
4 Pearl Ct.
Allendale, NJ 07401
Tel: (201) 818-1000
Fax: (201) 818-9044

- **Philippines Development Forum**

No response received.

Rowena Bolinas
PDF
Room B-01
Philippine Social Science Center
Commonwealth Ave. Dilman
Quezon City, The Philippines
Tel: (1) (202) 797-5484
Fax: (1) (202) 797-5486

- **PHYTOpharmaceuticals, Inc.**

Hylands, P.J. February 4, 1994. Personal communication. San Carlos, California

Hylands, P.J. 1994. 'Plant Cell Culture and Drug Discovery.' *The Biotechnology Report*.
1993/1994.

PHYTOpharmaceuticals. 1994. *PHYTOpharmaceuticals, Inc.: A New Generation of Drug Discovery*. PHYTOpharmaceuticals: San Carlos.

PHYTOpharmaceuticals does have agreements and some guidelines related the Biodiversity Research Protocol proposed by the Pew Conservation fellows. PHYTOpharmaceuticals works with universities and biotechnology centers in China, Brazil, and Thailand. When collaborating with other institutions PHYTOpharmaceutical trains scientists and compensates if the product is successful.

- **Plasma**

No response received.

Plasma
J1. Gamelan 131
Kompleks Preverb-Begir
Samarinda 75123
East Kalimantan, Indonesia
Tel: (62) (541) 43-330

- **Probe International**

No response received.

Peggy Hallward
Forestry Research Director
Probe International
225 Brunswick Ave.
Toronto, ON M5S 2M6
Canada
Tel: (416) 978-7014
Fax: (416) 978-3824

- **Project for Ecological Recovery (PER)**

No response received.

PER
77/3 Soi Nomchit
Nares Rd.
Bangrak
Bangkok, 10500
Thailand
Tel: (66) (2) 236-1462, 234-5363
Fax: (66) (2) 326-1462
E-mail: per@peg.apc.org

- **Proterra**

Andaluz, Carlos. May 14, 1996. Personal communication. Lima, Perú.

Proterra does not have any guidelines related to the Biodiversity Research Guidelines. This nonprofit's main goal is to improve the quality of life by implementing sustainable development strategy.

Carlos Andaluz, President
Proterra
Calle Madrid 166 - Miraflores
Lima, 18
Per_
Tel/Fax: (51 1) 446-6363, 242-0238, 242 0239
E-mail: postmaster@proter.org.pe

- **Quebec-Labrador Foundation**

No response received.

- **QLF/Atlantic Center for the Environment**

Blanchard, Kathleen A.. December 1, 1993. Personal communication. Ipswich, Massachusetts.

QLF/Atlantic Center for the Environment does not have guidelines related to the Biodiversity Research Protocol proposed by the Pew Conservation Fellows. Community-based research and other programming is taken very seriously with the view of "maintaining the integrity of local culture." QLF's mission, as published, is "to support the quality of life and environment for rural communities and the environment of eastern Canada and New England."

Kathleen A. Blanchard
QLF/ Atlantic Center for the Environment
55 South Main Street
Ipswich, MA 01938

- **Rainforest Alliance**

No response received.

- **Rainforest Health Alliance**

No response received.

Pam Roberts, Director
RHA
Fort Mason Bldg. E, #205
San Francisco, CA 94123
Tel: (415) 921-1203

- **Red Earth**

Lerner, Maya. September 21, 1994. Personal communication. Victoria, Australia.

Red Earth does not have any material relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Maya Lerner
Red Earth
66 Leicester Street
Carlton, 3053, Victoria
Australia
Tel: (03) 347-2666
Fax: (03) 348-1279

- **Research Corporation**

Andreen, Brian. December 2, 1993. Personal communication. Tucson, Arizona.

The Research Corporation does not have any guidelines or materials related to the Biodiversity Research Protocol proposed by the Pew Conservation Fellows.

Brian Andreen, Vice President
101 North Wilmot Road, Suite 250
Tucson, AZ 85711-3332
Tel: (602) 571-1111
Fax: (602) 571-1119

- **Resources for the Future**

Resources for the Future. 1993. *Application for RFF's Gilbert F. White Postdoctoral Fellowship Program*. Resources for the Future: Washington D.C..

Davies, Terry. November 22, 1993. Personal communication. Washington D.C.

Resources for the Future does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Ms. Chris Mendes
1616 P Street, N. W.
Washington D.C. 20036
Tel: (202) 328-5067
Fax: (202) 939-3460

- **Rhone - Poulenc Rorer Inc.**

No response received.

Bernard Reculeau, Sr. VP of Worldwide Industrial Operations
Rhone-Poulenc Rorer, Inc.
P.O. Box 1200
Collegeville, PA 19426
Tel: (215) 454-3800
Fax: (215) 454-2812

- **The Rockefeller Foundation**

The Rockefeller Foundation. 1994. *The Rockefeller Foundation*. The Rockefeller Foundation: New York.

The Rockefeller Foundation. 1994. *Rockefeller Foundation Social Science Research Fellowships in Agriculture*. The Rockefeller Foundation: New York.

The Rockefeller Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Although, a main goal of the Rockefeller Foundation is to "promote a more equitable sharing of the world's resources and yet avoid repetition of environmentally unsound development practices."

- **Royal Geographic Society**

No response received.

Fiona Watson
Royal Geographical Society
1 Kensington Gore
London SW7 2AR
United Kingdom
Tel: (1) 589-5466
Fax: (1) 581-9918

- **Rural Advancement Foundation International (RAFI)**

RAFI. September 1995. 'Biopiracy Update: A Global Pandemic'. In *RAFI Communique*. RAFI: Ottawa.

RAFI. May/June 1995. 'Gene Hunters in Search of "Disease Genes" Collect Human DNA from Remote Island Populations'. In *RAFI Communique*. RAFI: Ottawa.

RAFI. December 1994. *COPS... and Robbers: Transfer Sourcing Indigenous Knowledge and Pirating Medicinal Plants*. RAFI Occasional Papers. Vol.1 No.4: Ottawa.

RAFI. November 1994. 'Bioprospecting/Biopiracy and Indigenous Peoples.' In *RAFI Communique*. RAFI: Ottawa.

RAFI, January/February 1994. 'The Patenting of Human Genetic Material.' In *RAFI Communique*. RAFI: Ottawa.

Christie, Jean. November 22, 1993. Personal communication. Ottawa, Canada.

Mooney, Pat Roy. 1993. *The Part That Feeds US, Draft Excerpt: The Parts Forgotten*. RAFI: Ottawa.

RAFI. 1993. *The Benefits of Biodiversity: 100 + Examples of the South's Contribution to the North's Development Through Rural Communities*. RAFI: Ottawa.

RAFI. July-August 1993. 'Control of Cotton: The Patenting of Transgenic Cotton.' In *RAFI Communique*. RAFI: Ottawa.

RAFI. May 1993. 'Patents, Indigenous Peoples, and Human Genetic Diversity.' In *RAFI Communique*. RAFI: Ottawa.

RAFI does not have any biodiversity research guidelines, but does have many research projects and policy proposals that are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Hope Shand
Director of Biodiversity/ Biotechnology Program
RAFI- USA
P.O. Box 655
Pittsboro, NC 27312

Tel: (919) 542-1396
Fax: (919) 542- 0069
E-mail: rafi@nando.net
Web home page: <http://www.charm.net/~rafi/rafihome.html>

Pat Mooney, Executive Director
Suite 504 - 71 Bank Street
Ottawa ON
K1P 5N2
Canada
Tel: (613) 567-6880
Fax: (613) 567-6884
E-mail: rafican@web.apc.org

- **Sandoz Ltd.**

No response received.

Sandoz Ltd.
Lichtstrasse 35
Basel CH - 4002
Switzerland
Tel: (061) 24 11 11

- **Schering - Plough Corp.**

No response received.

Schering-Plough Corp.
One Giralda Farms
Madison, NJ 07940
Tel: (908) 822-7000

- **Sejati (Institute for Environment and Culture)**

No response received.

Dea Sudarman, Executive Director
Sejati, J1. Mendawai IV/2
Jakarta 12160, Indonesia
Tel: (62) (21) 717-217, 716-221
Fax: (62) (21) 716-562

- **Shaman Pharmaceuticals, Inc.**

Shaman Pharmaceuticals. 1996. Draft of "Agreement of Principles." Shaman Pharmaceuticals:
South San Francisco.

King, Steven R., Thomas J. Carlson and Katy Moran. 1996. "Biological Diversity, Indigenous Knowledge, Drug Discovery and Intellectual Property Rights". In: *Valuing Local Knowledge: Indigenous Peoples and Intellectual Property Rights*. Stephen B. Brush and Doreen Stabinsky (eds.). Island Press: Washington D.C..

Moran, Katy. 1996. "Returning Benefits from Ethnobotanical Drug Discovery to Native Peoples." Proceedings from National Institutes of Health, National Science Foundation and Smithsonian Conference "Biodiversity and Human Health. Island Press: Washington D.C. (In Press).

King, Steven R. and Thomas J. Carlson. 1995. 'Biocultural Diversity, Biomedicine and Ethnobotany: The Experience of Shaman Pharmaceuticals.' In *Interciencia Journal of Science and Technology of the Americas*. May-June 1995: Vol. 20 N. 3.

Moran, Katy. 1994. "Conservation of Biocultural Diversity through the Healing Forest Conservancy". In, *Intellectual Property Rights for Indigenous Peoples, A Sourcebook* (T.Greaves, ed.). The Society for Applied Anthropology: Oklahoma City.

King, Steven R. 1994. 'Establishing Reciprocity: Biodiversity, Conservation and New Models for Cooperation Between Forest-Dwelling Peoples and the Pharmaceutical Industry.' In, *Intellectual Property Rights for Indigenous Peoples, A Sourcebook* (T.Greaves, ed.). The Society for Applied Anthropology: Oklahoma City.

Shaman Pharmaceutical's policies and practices presented in the Draft of "Agreement of Principles" are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The company has established a non-profit, The Healing Forest Conservancy, to administer long-term compensation and benefits to the local communities that have collaborated with Shaman.

Dr. Steven King
Shaman Pharmaceuticals, Inc.
213 East Grand Ave.
South San Francisco, CA 94080-4812
Tel: (415) 952-7079
Fax: (415) 873-1463

Also see the Healing Forest Conservancy
Katy Moran
The Healing Forest Conservancy
3521 S. Street N.W.
Washington D.C. 20007
Tel/Fax: (202) 333-3438

- **The Sierra Club Foundation**

The Sierra Club Foundation. 1993. *The Sierra Club Foundation Funding Services Guide: In Service to Grassroots Environmentalism*. The Sierra Club Foundation: San Francisco.

The Sierra Club Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Stephen M. Stevick
The Sierra Club Foundation
220 Sansome Street, Suite 1100

San Francisco, CA 94104
Tel: (415) 291-1800

- **Smithkline Beecham plc.**

No response received.

Smithkline Beecham plc.
One New Horizon Ct.
Great West Rd.
Brentford, Middlesex
TW8 9EP
United Kingdom
Tel: (081) 975-2000
Fax: (081) 847-0830

Smithkline Beecham plc.
1 Franklin Plaza
Philadelphia, PA 19101
Tel: (215) 751-4000
Fax: (215) 751-3400

- **Smithsonian Institute**

Lovejoy, Thomas E. December 16, 1993. Personal communication. Washington D.C.

The Smithsonian Institution does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Thomas E. Lovejoy
Smithsonian Institution
Washington D.C. 20560

- **Social Science Research Council**

Social Science Research Council. 1995. *Items: Social Science Research Council. V49N4 Dec 1995. Social Science Research Council: New York.*

Social Science Research Council. 1994. *Social Science Research Council: Annual Report 1994-1995. Social Science Research Council: New York.*

Social Science Research Council. 1993. *Social Science Research Council Fellowships and Grants for Training and Research to be offered in 1993-1994. Social Science Research Council: New York.*

The Social Science Research Council does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Social Science Research Council
605 Third Avenue
New York, NY 10158

Tel: (212) 661-0280

- **Sociedad Peruana de Derecho Ambiental (Peruvian Society for Environmental Law)**

No response received.

Jorge Caillaux
Presidente
SPDA
Plaza Jorge Arrospide #9
San Isidro
Lima 27
Peru
Tel: (14) 400-549 or 700-721
Fax: (14) 70311

- **Society for Applied Anthropology**

Greaves, T (ed.). 1994. *Intellectual Property Rights for Indigenous Peoples, A Sourcebook*.
Society for Applied Anthropology: Oklahoma City.

Intellectual Property Rights for Indigenous Peoples, A Sourcebook. is intended to aid indigenous societies on intellectual property rights and related issues. This source book is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Society for Applied Anthropology
P.O. Box 24083
Oklahoma City, OK 73124

- **Society for Ecological Restoration**

Robin Kurzer. February 23, 1994. Personal communication. Washington D.C.

The Society for Ecological Restoration does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Society for Ecological Restoration
1207 Seminole Highway
Madison, WI 53711
Tel: (608) 262-9547
Fax: (608) 262-9547

- **Society for Economics**

No response received.

- **Society of Economic Botany**

No response received.

- **Soil and Water Conservation Society**

Soil and Water Conservation Society. 1994. *SWCS Scholarship Application*. Soil and Water Conservation Society: Ankeny.

Soil and Water Conservation Society does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Soil and Water Conservation Society
7515 Northeast Ankeny Road
Ankeny, IA 50021-9764
Tel: (515) 289-2331
Fax: (515) 289-1227
E-mail: swcs@netins.net

- **South and Meso American Indian Information Center**

No response received.

- **South Carolina Wildlife & Marine Resources Department**

Slocum-Lunz Foundation, INC. 1993. *Slocum-Lunz Foundation, INC. Application Form*. Slocum-Lunz Foundation: Charleston.

The Slocum-Lunz Foundation does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

David Whitaker
South Carolina Wildlife & Marine Resources Department
P.O. Box 12559
217 Ft. Johnson Rd.
Charleston, SC 29422-2559

- **South Pacific Regional Environmental Program**

Wells, Susan, Paul Holthus, and Jim Maragos. 1994. *Environmental Guidelines for Coral Harvesting Operations*. South Pacific Regional Environmental Program No. 75: Western Samoa.

The Environmental Guidelines for Coral Harvesting Operations evaluates proposals for coral harvesting. These guidelines are consistent with many of the Biodiversity Research Protocols proposed by the Pew Conservation Fellows such as accounting for environmental, economic, social costs, and benefits to the community. These guidelines do not discuss intellectual property rights or compensation programs.

South Pacific Regional
Environmental Program

P.O. Box 240
Apia, Western Samoa

- **Sphinx Pharmaceutical Corporation**

No response received.

Sphinx Pharmaceutical Corporation
P.O. Box 52330
2 University Place
Durham, NC 27717
Tel: (919) 489-0909
Fax: (919) 489-9093

- **Stanford Law School**

Barton, John. March 10, 1994. Personal Communication. Stanford, California.

Barton, John. February 22, 1994. 'Ethnobotany and Intellectual Property Rights.' AAAS 1994 Annual Conference. San Francisco, California.

Barton, John. 1992. 'Roundtable: Biodiversity at Rio.' *BioScience: American Institute of Biological Sciences*. Vol 42 No 10.

Stanford Law School does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

John H. Barton
Stanford Law School
Stanford University
Stanford, CA 94305-8610
Tel: (415) 723-2691

- **Sterling Winthrop Inc.**

No response received.

Robin Mills, VP Corporate Relations
Sterling Winthrop Inc.
90 Park Ave.
New York, NY 10016
Tel: (212) 907-2000

- **Survival International**

No response received.

Alison Sanders
SI

310 Edgware Rd.
London, W2 IDY
United Kingdom
Tel: (44) (71) 723-5535
Fax: (44) (71) 723-4059
E-mail: survival@gn.apc.org

- **Systematics Agenda 2000**

Systematics Agenda 2000. 1994. *Systematics Agenda 2000: Charting the Biosphere Technical Report*. New York, NY.

Systematics Agenda 2000 is an initiative to collect and classify taxonomy of the Earth's biodiversity. The document does not have any guidelines but does mention some issues related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The document discusses the value of biodiversity, especially for the medicinal and pharmaceutical industry and agricultural and genetic resources. The document does not discuss research ethics when working in local communities, intellectual property rights or indigenous knowledge.

SA 2000
Department of Ornithology
American Museum of Natural History
Central Park West at 79th Street
New York, NY 10024

SA 2000
Herbarium
New York Botanical Gardens
Bronx, NY 10458

- **Union of Concerned Scientists**

Rissler, J. and M. Mellon. December 1993. *Perils Amidst the Promise: Ecological Risks of Transgenic Crops In Global Market*. Union of Concerned Scientists: Cambridge.

The Union of Concerned Scientists do not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows, but they do have some literature relevant to a few of the issues.

Union of Concerned Scientists
2 Brattle Square
Cambridge, MA 02238-9105
Tel: (617) 547-5552

- **United Nations Environment Programme**

United Nations Environment Programme. 1993. *Guidelines for Country Studies on Biological Diversity*. UNEP: Nairobi.

Convention on Biological Diversity. (UNCBD), 5 June 1992. UNEP: Nairobi.

The *Guidelines for Country Studies on Biological Diversity* are not consistent with Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The *Guidelines for Country Studies on Biological Diversity* outlines a technical methodology for countries to map biodiversity. The *Guidelines for Country Studies on Biological Diversity* does mention the need for education and training at the national level.

The *Adoption of Agreements on Environment and Development: Agenda 21* discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Specifically the statement addresses Indigenous Peoples, biodiversity conservation, intellectual property rights, and traditional knowledge in article 8(j) and article 10(c).

Hamdallah Zedan
Coordinator Biodiversity & Technology
United Nations Environment Programme
P.O. Box 30552
Nairobi, Kenya
Tel: (254 2) 621234
Fax: (254 2) 219270/226890

- **United Nations Human Rights Commission**

Working Group on Indigenous Populations. 1993. "Draft Declaration on the Rights of Indigenous Peoples." Geneva.

The Working Group on Indigenous Populations prepared the Draft Declaration on the Rights of Indigenous Peoples. The guidelines is consistent with Biodiversity Research Protocol proposed by the Pew Conservation Fellows.

- **UNESCO Regional Office for Science and Technology for Southeast Asia**

No response received.

- **United States Department of Agriculture**

Schneider, Karl. April 21, 1994. Personal communication. Beltsville, Maryland

Shands, Henry L. March 22, 1994. Personal communication. Beltsville, Maryland.

The United States Department of Agriculture developed the National Plant Germplasm System (NPGS) which later lead to the FAO Code of Conduct for Plant Collecting and Germplasm Exchange which was approved by the FAO in November 1993. In addition the United States Department of Agriculture has developed a source recognition document to reward the provider. All of these documents propose voluntary efforts.

Henry L. Shands
Associate Deputy Administer Genetic Resources
United States Department of Agriculture
Agricultural Research Service
Beltsville, MD 20705

Karl R. Schneider

Reference Librarian
Reference Unit
United States Department of Agriculture
Agricultural Research Service
Beltsville, MD 20705

- **United States Department of Commerce National Oceanic and Atmospheric Administration (NOAA)**

Sullivan, Kathryn. March 14, 1994. Personal communication. Washington D.C.

NOAA does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. NOAA has many programs administered through the National Marine Fisheries Service, the National Ocean Service, and the Coastal Ocean Program that manage and sustainably develop biological resources by research and planning with local communities.

Kathryn Sullivan
United States Department of Commerce
National Oceanic and Atmospheric Administration
The Chief Scientist
Washington D.C. 20230

- **United States Environmental Protection Agency**

Burke, Patrick. April 5, 1994. Personal Communication. Cincinnati, Ohio.

United States Environmental Protection Agency. 1993. *The Federal Technology Transfer Act*. Cincinnati, OH: Office of Development and Research.

The United States Environmental Protection Agency does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Larry Fradkin, Director
Federal Technology Transfer Act Program
Office of Science, Planning, and Regulatory Evaluation
United States Environmental Protection Agency
26 W. Martin Luther King Drive
Cincinnati, OH 45268
Tel: (513) 569-7960
Fax: (513) 569-7132

- **United States National Research Council**

Board on Science and Technology for International Development U.S. National Research Council. 1992. *Conserving Biodiversity: A Research Agenda for Development Agencies*. National Academy Press: Washington D.C..

The Board on Science and Technology for International Development U.S. National Research Council in the final chapter, 'Biodiversity Research: the Cultural Context', discusses material and issues related to the Biodiversity Research Protocols proposed by the Pew Conservation

Fellows. The chapter outlines cultural research priorities as well as the steps that need to be taken at the National Level to assess and improve the social valuation of biodiversity.

John Hurley, Director
Board on Science and Technology for International Development
Office of International Affairs
U.S. National Research Council
Washington D.C. 20418

- **University of Copenhagen Botanical Gardens**

No response received.

- **University of Dhaka**

No response received.

- **University of Illinois at Urbana-Champaign**

Getz, Lowell. May 20, 1996. Personal communication. Urbana, Illinois

Heichel, Gary H. May 20, 1994. Personal communication. Urbana, Illinois.

University of Illinois at Urbana-Champaign Committee on Natural Areas does not have material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Lowell Getz, Chair
University of Illinois at Urbana-Champaign
Committee on Natural Areas
Department of Ecology, Ethnology, and Evolution
515 Morrill Hall
505 South Goodwin Avenue
Urbana, IL 61801
Tel: (217) 333-7802

- **University of Nairobi, Faculty of Sciences**

No response received.

- **University of Natal, Institute of Natural Resources**

No response received.

- **University of Queensland, Department of Anthropology and Sociology**

Hyndman, David. In Press. 'Conservation Through Self-Determination: Promoting the Interdependence of Cultural and Biological Diversity.' *Human Organization*.

Hyndman, David. March 5, 1994. Personal Communication. Brisbane, Australia.

The University of Queensland, Department of Anthropology does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

David Hyndman
University of Queensland
Department of Anthropology and Sociology
Brisbane, QLD. 4072
Australia
Tel: 61 (07) 365 3493
Fax: 61 (07) 365 1544

- **University Research Expeditions Program**

Colvin, Jean. 1994. 'Capirona: A Model of Indigenous Ecotourism.' For: Second Global Conference: Building a Sustainable World Through Tourism, Montreal, Canada. Sept. 1994. University Research Expeditions Program: Berkeley.

Colvin, Jean. 1992. "A Code of Ethics for Research in the Third World." *Conservation Biology*. Vol.6, No.3: 309-311.

'Capirona: A Model of Indigenous Ecotourism' is a case study of the Quichua Indians and their ecotourism community program. In 1992 University Research Expeditions Program assisted the community with the development of the 'Code for the Indigenous Sensitive Ecotourist.' These guidelines focus on issues related to the Biodiversity Research Protocols such as garbage, bathing, nudity, cultural taboos, cultural authenticity, traditional knowledge.

The "Scientific Code of Ethics" is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows and gives specific suggestions how researchers can work, involve, and compensate local communities.

Jean Colvin
University Research Expeditions Program
University of California
Berkeley, CA 94720

- **Upjohn Co.**

No response received.

Jack J. Jackson, Sr VP Western Hemisphere Pharmaceutical Operations
Upjohn Co.
7000 Portage Rd.
Kalamazoo, MI 49001
Tel: (616) 323-4000

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-
- **Wahana Lingkungan Hidup Indonesia (WALHI) (Indonesian Forum for the Environment)**

No response received.

M.S. Zulkamaen, Director
WALHI
J1. Penjemihan I
Kompleks Keuangan No. 15
Pejompongan, Jakarta 10210
Indonesia
Tel: (62) (21) 573-6820, 573-3975
Fax: (62) (21) 573-8416

- **W. Alton Jones Foundation, Inc.**

Brooks, Susan. May 21, 1996. Personal communication. Charlottesville, Virginia.

W. Alton Jones Foundation. 1993. *Guidelines and Application Procedures*. W. Alton Jones Foundation: Charlottesville.

The W. Alton Jones Foundation, Inc. does have some material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The guidelines for conservation projects encourages incorporation of local communities.

W. Alton Jones Foundation, Inc.
232 East High Street
Charlottesville, Virginia 22902-5178
Tel: (804) 295-2134
Fax: (804) 295-1648
E-mail: earth@wajones.org
<http://www.wajones.org/wajones>

- **Weeden Foundation**

Weeden Foundation. 1992, *Weeden Foundation Annual Report Fiscal Year Ending June 30, 1992*. Weeden Foundation: New York.

The Weeden Foundation does not have any material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The guidelines for grant applications requires the applicant to write a statement of purpose which the grant committee will review and then contact the person if the Weeden Foundation wants more information.

Weeden Foundation
747 Third Ave. 34th Floor
New York, NY 10017
Tel: (212) 888-1672

- **Wellington Maori Legal Services Inc.**

Jackson, Moana. 'The Definitions of, and Dangers to, the Concept of Indigenous Intellectual Property.' Protection of the Treasure of the Ancestors: A Conference for Indigenous Peoples and Advisors.

This paper discusses the control and access to Indigenous intellectual property.

- **Wilderness Society**

No response received.

- **Wildlife Conservation Society**

Robinson, John G. March 7, 1994. Personal communication. NYZS The Wildlife Conservation Society: New York.

Wildlife Conservation Society. 1993. *Wildlife Conservation Society Research Fellowship Program*. NYZS The Wildlife Conservation Society: New York.

Wildlife Conservation Society does have some guidelines relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The Wildlife Conservation Society states that they prefer proposals by nationals of the country of research. In the suggested eleven step outline of how to write the proposal the Wildlife Conservation Society suggests in steps 3iii, 3iv, and 3v that the fellowship applicant describe local professional development, impact, involvement of local people, and education/public information. In addition, the protocol for animal handling will be reviewed by the veterinary staff.

Dr. William Weber
Director of Conservation
Wildlife Conservation Society
185th Street and Southern Boulevard
Bronx, NY 10460-1099 USA
Tel: (718) 220-5155
Fax: (718) 364-4275

Dr. John G. Robinson
Vice President and Director International Conservation
Wildlife Conservation International
185th and Southern Blvd.
Bronx, NY 10460
Tel: (1) (718) 220-5155
Fax: (1) (718) 364-4275

- **The Woods Hole Research Center**

Shanely, Patricia. April 17, 1994. Personal communication. Belen, Brazil.

The Woods Hole Research Institute does not have any formal guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The Woods Hole Research Center
P.O. Box 296
Woods Hole, MA
02543
Tel: (508) 540-9900
Fax: (508) 540- 9700

- **World Bank**

Davis, Shelton (ed.). 1993. *World Bank Discussion Paper 188: Indigenous Views of the Land and the Environment*. The World Bank: Washington D.C.

World Bank. 1994. *Robert S. McNamara Fellowships Program Information Sheet*. World Bank: Washington D.C..

World Bank. 1993. *The World Bank and the Environment Fiscal 1993*. World Bank: Washington D.C..

World Bank. 1991. *Operative Directive: Environmental Assessment*. World Bank: Washington D.C..

World Bank. 1991. *Operative Directive: Indigenous Peoples*. World Bank: Washington D.C..

World Bank. 1990. *Operative Directive: Involuntary Resettlement*. Washington D.C.: World Bank.

The *World Bank Discussion Paper 188: Indigenous Views of the Land and the Environment* is a collection of three case studies. It does not have any guidelines or discuss issues such as intellectual property rights. The case studies do make some recommendations when working with Indigenous Peoples on cooperative resource management to collaborate, educate, and involve the community.

The *Robert S. McNamara Fellowships Program Information Sheet*, *The World Bank and the Environment Fiscal 1993*, *Operative Directive: Environmental Assessment*, and *Operative Directive: Involuntary Resettlement* do not have guidelines and do not discuss issues related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

The *Operative Directive: Indigenous Peoples* lists World Bank policies and discusses some issues related to the Biodiversity Research Protocol proposed by the Pew Conservation Fellows. In the first section, 'the World Bank Indigenous Peoples Development Plan: Prerequisites to a Successful Development Project,' it is required to get informed participation, and if possible incorporate indigenous tenure systems. The World Bank recognizes the controversial issues involved with development projects. They divide the debate into two poles. One pole wants to protect and maintain cultural distinction while forfeiting economic development. The other pole argues that indigenous peoples must be assimilated into the national economy and social structure.

Shelton Davis
1818 H Street, N.W.
Washington D.C. 20433

The Robert S. McNamara Fellowships Program
Room M-4029
World Bank Headquarters
1818 H Street, N.W.
Washington D.C. 20433
Tel: (202) 477-1234
Fax: (202) 477-6391

- **World Foundation for Environment and Development**

No response received.

- **World Intellectual Property Organization**

Baemer, Ludwig. January 20, 1994. Personal Communication. Geneva, Switzerland.

The World Intellectual Property Organization does not have any guidelines or material related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Ludwig Baemer, Director
Industrial Property Law Department
34, chemin des Colombettes
1211 Geneva 20 Switzerland
Tel: (022) 730-9111
Fax: (41-22) 733- 5428

- **World Trade Organization**

Otten, Adrian. May 29, 1996. Personal communication. Geneva, Switzerland

World Trade Organization: Trade and the Environment. 1995. *Environment and TRIPS*. World Trade Organization: Geneva.

Otten, Adrian. March 2, 1994. Personal communication. Geneva, Switzerland

The World Trade Organization Committee on Trade and the Environment does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. In the document *Environment and TRIPS* article 27.2 of TRIPS is discussed. This article is the only article in TRIPS that mentions the environment and there is no discussion of indigenous peoples.

Adrian Otten, Director Intellectual Property and Investment Division
Centre William Rappard
Rue de Lausanne 154
Case Postale
CH - 1211 Geneve 21 Switzerland
Tel: (41 22) 739 51 11
Fax: (41 22) 739 54 58

- **Worldwatch Institute**

Kauffman, Reah Janise. May 13, 1996. Personal communication. Washington D.C.

Sachs, Aron. 1995. *Eco-Justice: Linking Human Rights and the Environment*. Worldwatch Paper 127. Worldwatch Institute: Washington D.C..

Weber, Peter K. February 10, 1994. Personal communication. Washington D.C.

Durning, Alan Thein. 1992. *Guardians of the Land: Indigenous Peoples and the Wealth of the Earth*. Worldwatch Paper 112. Worldwatch Institute: Washington D.C..

Ryan, John C. 1992. *Life Support: Conserving Biological Diversity*. Worldwatch Paper 108. Worldwatch Institute: Washington D.C..

Worldwatch Institute does not have any guidelines related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. Worldwatch Institute has written discussion papers on issues related to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

Lester R. Brown, President
Worldwatch Institute
1776 Massachusetts Ave., N.W.
Washington D.C. 20036-1904
Tel: (202) 452-1999
Fax: (202) 296-7365
E-mail: worldwatch@worldwatch.org
Website: <http://www.worldwatch.org/worldwatch>

- **World Resources Institute (WRI)**

WRI, INBio, Rainforest Alliance, and African Centre for Technology. 1993. *Biodiversity Prospecting: Using Genetic Resources for Sustainable Development*. World Resources Institute: Washington D.C..

WRI, IUCN, and UNEP. 1992. *Global Biodiversity Strategy: Guidelines for Action to Save, Study, and Use Earth's Biotic Wealth Sustainably and Equitably*. WRI, IUCN, and UNEP.

In *Biodiversity Prospecting: Using Genetic Resources for Sustainable Development* there is a model agreement and contract between pharmaceutical companies and collectors. These drafts are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

In section VI, 'Creating Conditions and Incentives for Local Biodiversity Conservation,' of the *Global Biodiversity Strategy: Guidelines for Action to Save, Study, and Use Earth's Biotic Wealth Sustainably and Equitably* the objectives are consistent with the Biodiversity Research Protocols, although they do not discuss specifically how to implement the objectives.

Kenton R. Miller
Biological Resources and Institutions Program
World Resources Institute
1709 New York Avenue, N.W., Suite 700

Washington D.C. 20006
Tel: (202) 662-2526
Fax: (202) 638-0036
E-mail: wri@igc.org

- **World Wildlife Fund (WWF)**

Cunningham, A.B. 1993. *Ethics, Ethnobiological Research, and Biodiversity*. WWF International: Gland.

Russell, Sarah. 1993. *Conservation With People*. WWF International: Gland.

WWF International. 1993. *The Importance of Biological Diversity: A Statement by WWF-World Wide Fund for Nature*. WWF International: Gland.

WWF does not have any formal guidelines, but does have literature and policy proposals that are consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. In the appendix of *Ethics, Ethnobiological Research, and Biodiversity* there is a 'Guidelines for Equitable Partnership in New Natural Products Development: Recommendations for a Code of Practice.' This set of guidelines is endorsed by the International Society of Ethnobiology and is consistent with the Biodiversity Research Protocols proposed by the Pew Conservation Fellows.

A.B. Cunningham
People and Plants Initiative
84, Watkins Street
White Gum Valley
Fremantle 6162
Australia
Tel: 61 9 430 8007
Fax: 61 9 430 8007

WWF International
Avenue du Mont-Blanc
CH-1196 Gland, Switzerland
Tel: 41 (22) 364 91 11
Fax: 41 (22) 364 53 58

- **Working Group on Traditional Resource Rights**

Posey, D.A., Dutfield, G., and K. Plenderleith. 1995. "Collaborate Research and Intellectual Property Rights." *Biodiversity Conservation*: 4:892-902.

Posey, D.A., Dutfield, G. 1996. *Beyond Intellectual Property: Traditional Resource Rights for Indigenous Peoples and Local Communities*. IDRC Books: Ottawa.

In *Beyond Intellectual Property: Traditional Resource Rights for Indigenous Peoples and Local Communities* the appendix has a 'Covenant on Intellectual Cultural and Scientific Resources.' This guideline complies with the Biodiversity Research Protocol.

The Working Group on Traditional Resource Rights
Oxford Centre for the Environment, Ethics & Society

Mansfield College, University of Oxford
Oxford OX1 3TF
United Kingdom
Tel/Fax: 44 0 1865 284665
E-mail: wgtrr.ocees@mansfield.oxford.ac.uk
E-mail: posey@vax.ox.ac.uk

- **Yayasan Bina Sains Hayati Indonesia (YBSHI) (Association for the Advancement of Conservation Science)**

No response received.

Bina Sains Hayati
J1. Nusantara No. 174
Depok 16421
West Java, Indonesia
Tel: (62) (21) 777-3180
Fax: (62) (21) 777-3180

- **Zuni Archaeology Program**

Othole, A. & R. Anyon. 1993. *A Tribal Perspective on Traditional Cultural Property Consultation*. Zuni Pueblo.

A Tribal Perspective on Traditional Cultural Property Consultation discusses issues relevant to the Biodiversity Research Protocols proposed by the Pew Conservation Fellows. The paper discusses how the Pueblo of Zuni manages and protects Zuni traditional cultural property. The Pueblo of Zuni has strict research ethical guidelines and has a Tribal Advisory Team to assess and make sure every project complies with their standards.

Andrew Othole
Cultural Preservation Coordinator
Pueblo of Zuni

Roger Anyon
Director of Zuni Archaeology Program

Zuni Conservation Project
P.O. Box 1068
Zuni, NM 97327

Below is a partial list of the current literature on biodiversity and cultural knowledge research and prospecting. This reading list is by no means exhaustive, and is only meant to suggest books and articles to new readers.

Bibliography

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- Beauchamp, Tom L. (ed.). 1982. *Ethical Issues in Social Science Research*. John Hopkins University Press: Baltimore.
- Boom, B. 1990b. 'Giving Native People a Share of the Profit.' *Garden*. 14 (6): 28-31.
- Brush, Stephen B. and Doreen Stabinsky (eds.). 1996. *Valuing Local Knowledge: Indigenous Peoples and Intellectual Property Rights*. Island Press: Washington, D.C.
- Brush, Stephen B. 1993. 'Indigenous Knowledge of Biological Resources and Intellectual Property Rights: The Role of Anthropology.' *American Anthropologist*. 95: 653-86.
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- Colvin, Jean. 1992. "A Code of Ethics for Research in the Third World." *Conservation Biology*. V6 N3: 309-311.
- Cox, P.A., and Balick, M.J. 1994. 'The Ethnobotanical Approach to Drug Discovery.' *Scientific America*. 270 (6): 82-87.
- Cultural Survival Quarterly. 1996. *Genes, People, & Property: Furor over Genetic Research on Indigenous Groups*. V 20 Issue 2. Cultural Survival Inc: Cambridge.
- Cultural Survival Quarterly. Summer 1991. *Intellectual Property Rights: The Politics of Ownership*. Cultural Survival Inc: Cambridge.
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- Dwyer, Peter D. 1994. 'Modern Conservation and Indigenous Peoples: In Search of Wisdom.' *Pacific Conservation Biology*. V1: 91-97. Surrey Beatty & Sons: Sydney.
- Eisner, Thomas; Beiring, Elizabeth A. 1994. 'Biotic Exploration Fund - Protecting Biodiversity Through Chemical Prospecting.' *BioScience*. V44 N2: 95-98.

- Engel, J. Ronald and Julie Denny-Hughes (eds.). 1993. *Advancing Ethics for Sustainable Living: Report of the IUCN Ethics Workshop April 1993, Indiana Dunes National Lakeshore U.S.A.*. IUCN and International Center for the Environment and Policy: Sacramento.
- FAO. 1991. *Draft International Code of Conduct for Plant Germplasm Collecting and Transfer*. Commission on Plant and Genetic Resources, fourth session. 15-19 April 1991, FAO: Rome.
- Gadgil, M.; Devasia, P. 1995. 'Intellectual Property Rights and Biological Resources - Specifying Geographical Origins and Prior Knowledge of Uses.' *Current Science*. 1995 Oct, V 69 N8: 637-639.
- Gadgil, M.; Berkes, F.; Folke C. 1993. 'Indigenous Knowledge for Biodiversity Conservation.' *Ambio*. May 1993, V22 N2-3: 1151-155.
- Gadgil, M. 1992. 'Conserving Biodiversity as if People Matter: A Case Study from India.' *Ambio*. May 1992, V21 N3: 266-270.
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- Gorina, Montserrat. 1994. *Marine Scientific Research and Intellectual Property Rights over Research Results*. Presented at Turning the Tide Conference on Indigenous Peoples and Sea Rights International and Comparative Law Session.
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- Harmon, David. (ed.) 1994. *Coordinating Research and Management to Enhance Protected Areas*. IUCN, George Wright Society and Commission of the European Union: Cambridge.
- International Society of Ethnobiology. 1994. *Draft of Covenant Between a Responsible Corporation, Scientist or Scientific Institution and An Indigenous Group*. ISE: Oxford.
- Joyce, Christopher. 1994. *Earthly Goods: Medicine - Hunting in the Rainforest*. Little, Brown and Co.: New York.
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- Kate, Kerry ten. 1995. *Biopiracy or Green Petroleum? Expectations & Best Practice in Bioprospecting*. Overseas Development Administration: London.
- Kemf, E (ed). 1993. *The Law of the Mother: Protecting Indigenous Peoples in Protected Areas*. Sierra Club Books: San Francisco.
- Kloppenber, J. 1990. 'No Hunting! Scientific Poaching and Global Biodiversity.' *Z Magazine*. September 1990: 104-108.
- Kloppenber, J. 1988. *Seeds and Sovereignty*. Duke University Press: London.
- Leedy, Paul D. 1993. *Practical Research Planning and Design*. Fifth Edition. MacMillian Publishing Co.: New York.
- Mays, Thomas D.; Aseby, Edgar J.; Boyd, Michael R.; Cragg, Gordon M. 1994. *Intellectual Property and Indigenous Rights: Alternatives for Equity and Conservation: Quid Pro Quo - A*

Reexamination of the Equities in the Search for New Medicines from Biodiversity. National Cancer Institute, National Institute of Health, U.S. Department of Health and Human Services.

McNeely, Jeffrey A. 1993. 'Economic Incentives for Conserving Biodiversity: Lessons for Africa.' *Ambio*. May 1993, V22 N 2-3: 144-150.

Miller, Kenton R. 1996. *Balancing the Scales: Managing Biodiversity at the Bioregional Level.* World Resources Institute, Washington D.C.

Mooney, Pat. 1983. 'The Law of the Seed.' *Development Dialogue* 1-2: 1-172. Zed Books, Ltd.: London.

Nair, MD. 1993. 'Intellectual Property Rights and the Indian Pharmaceutical Industry.' *Journal of Scientific Affairs*. 1993 April, V52 N4: 278-283.

Nietschmann, Bernard. 1996. 'Protecting Indigenous Coral Reefs and Sea Territories, Miskito Coast, RAAN, Nicaragua.' *In Conservation Through Cultural Survival: Indigenous Peoples and Protected Areas*. Stanley F. Stevens (ed.), Island Press: Washington D.C. (In Press).

Park, WG; Ginarte, JC. 1996. 'Intellectual Property Rights in a North-South Economic Context.' *Science Communication*. 1996 Mar, V17 N3: 379-387.

Plotkin, Mark; Famolare, L (eds.). 1992. *Sustainable Harvest and Marketing of Rain Forest Products*. Island Press: Washington D.C.

Posey, D.; Dutfield, G.; Plenderleith, K. 1995. 'Collaborative Research and Intellectual Property Rights.' *Biodiversity and Conservation*. 1995 Nov, V4 N8: 892-902.

Potter, Christopher S.; Cohen, Joel I.; Janczewski, Dianne (eds.). 1993. *Perspectives on Biodiversity: Case Studies of Genetic Resource Conservation and Development*. AAAS Press: Washington D.C.

Reid, WV. 1993. 'Bioprospecting - A Force for Sustainable Development.' *Environmental Science and Technology*, 1993 Sep, V27 N9: 1730-1732.

Rhoades, RE. 1994. 'Indigenous People and the Preservation of Biodiversity.' *Hortscience*, 1994 Nov, V29 N11: 1222- 1225.

Schultes, R.E., and R. Rauffauf. 1990. *The Healing Forest*. Dioscorides Press: Portland.

Seiber, Joan E. 1992. *Planning Ethically Responsible Research: A Guide for Students and Internal Review Boards*. Applied Social Research Methods Series Volume 31. Sage Publications: London.

Shand, Hope. 1993. *Harvesting Nature's Diversity*. Food and Agriculture Organization of the United Nations: Rome.

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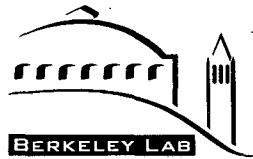
Snape, William J. III (ed.). 1996. *Biodiversity and the Law*. Island Press: Washington D.C.

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Wax, Murray L. 1991. 'The Ethics of Research in American Indian Communities.' *The American Indian Quarterly*. V15 N4: 431-456.

WRI, INBio, Rainforest Alliance, and African Centre for Technology. 1993. *Biodiversity Prospecting: Using Genetic Resources for Sustainable Development*. World Resources Institute: Washington D.C..

Yamin, F. 1995. 'Biodiversity, Ethics and International Law.' *International Affairs*, 1995 Jul, V71 N3: 529-546.



ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY
TECHNICAL AND ELECTRONIC INFORMATION DEPARTMENT
UNIVERSITY OF CALIFORNIA | BERKELEY, CALIFORNIA 94720