SSC General 2.1.1/Coor/Invitation letter to state nodal agencies/Ver.1/ 5.4.2000

KALPAVRIKSH

कल्पवृक्ष

Environmental Action Group

24/5/2000

Dear

The Ministry of Environment and Forests (MoEF), Government of India, has initiated a project to prepare India's National Biodiversity Strategy and Action Plan (NBSAP). Such a Plan has been a long-felt need in the context of the rapid loss of biological diversity in India, and is also in keeping with India's obligations under the UN Convention on Biological Diversity. In 1999, the MoEF came out with a Macro-Strategy on biodiversity; the NBSAP, which is supported by the Global Environment Facility (GEF) through UNDP, will attempt to flesh out this macro-strategy in the form of very detailed action points and time-bound programmes.

The aim of the project is to evolve a plan relevant to the country as a whole, tackling the range of biodiversity concerns and the different levels at which biodiversity is impacted. To this end, it is envisaged that action plans will be prepared for 14 themes relating to biodiversity at the national level, for the 31 states and union territories, for 9 inter-state ecoregions, and for about 20 sub-state, local sites. All kinds of biodiversity will be focused upon: wild plants and animals, domesticated livestock and crops, micro-organisms, and ecosystems. In all this, the greatest stress will be on maximum participation of women and men from all sectors: local communities, scientific organisations, NGOs, government agencies of all kinds, political leaders, artists, and others. There will be special focus on issues of gender and equity, ethical concerns, livelihoods linked to biodiversity, threatened species and ecosystems, and community-based conservation.

A layered organizational structure has also been instituted for drawing up the NBSAP. The National Project Directorate (NPD) is situated at the MoEF. This NPD along with the Steering Committee provides guidance and assistance for the process. A Technical and Policy Core Group (TPCG), consisting of experts from various fields and different parts of India, from both government and outside, is the main planning and executing body of the NBSAP. An administrative coordinating agency (BCIL, New Delhi), is overseeing the logistic aspects. Themes will be handled by appropriate Working Groups, and state or local level processes by appropriate nodal agencies and steering committees. These groupings will consist of a cross-section of sectors, interests and professions.

I have been asked to coordinate the TPCG, on behalf of Kalpavriksh. I am now writing to informally intimate you that the TPCG has recommended you to be the nodal agency for the state of DAMAN + DIU, in the context of the NBSAP. As a nodal agency, you will be required to coordinate the preparation of the action plan for your state/U.T. In this, you will be guided by a State Steering Committee (SSC), comprising of people from various sectors. We will suggest to you the composition of the SSC, though of course you will perhaps want to choose some members yourself.

You will hopefully soon receive a formal intimation of this from the Ministry of Environment and Forests, Government of India. Our information is that MoEF has conveyed this recommendation to the Chief Secretary of your state, and is awaiting his/her formal concurrence. **Meanwhile, we would also like you to book the dates of June 23/24, to participate in the Inaugural National Workshop on this project, in New Delhi.** You will be intimated further details of this workshop very soon after being confirmed as the nodal agency, and after receiving your own concurrence.

We look forward to working with you on this exciting process. Thank you, sincerely yours,

(Ashish Kothari)
Coordinator, Technical and Policy Core Group
National Biodiversity Strategy and Action Plan

Apt. 5, Shree Dutta Krupa, 908 Deccan Gymkhana, Pune 411 004, India.
Telefax: (0212) 354239 • Email: ashish@nda.vsnl.net.in
020-5654239
(Delhi Address: c/o B-25, Defence Colony, New Delhi 110 024)
Email-kvriksh@vsnl.com.

[Master] (G)
(Incorp. changes)

NPD\Invitation letter to state nodal agencies\Ver.1\5.4.2000

Dear

The Ministry of Environment and Forests (MoEF), Government of India, has initiated a project to prepare India's National Biodiversity Strategy and Action Plan (NBSAP). Such a Plan has been a long-felt need in the context of the rapid loss of biological diversity in India, and is also in keeping with India's obligations under the UN Convention on Biological Diversity. In 1999, the MoEF came out with a Macro-Strategy on biodiversity; the NBSAP, which is supported by the Global Environment Facility (GEF) through UNDP, will attempt to flesh out this macro-strategy in the form of very detailed action points and time-bound programmes. A brochure *Call for Participation,* and a Process Outline of the NBSAP is enclosed for your reference.

/are

The aim of the project is to evolve a plan relevant to the country as a whole, tackling the range of biodiversity concerns and the different levels at which biodiversity is impacted. To this end, it is envisaged that action plans will be prepared for 14 themes relating to biodiversity at the national level, for the ??? states and union territories, for 10 inter-state ecoregions, and for 20 sub-state, local sites. All kinds of biodiversity will be focused upon: wild plants and animals, domesticated livestock and crops, micro-organisms, and ecosystems. In all this, the greatest stress will be on maximum participation of women and men from all sectors: local communities, scientific organisations, NGOs, government agencies of all kinds, political leaders, artists, and others. There will be special focus on issues of gender and equity, ethical concerns, livelihoods linked to biodiversity, threatened species and ecosystems, and community-based conservation. Accordingly, we are also enclosing a set of guidelines for carrying out and documenting the process.

30 ?

A layered organizational structure has also been instituted for drawing up the NBSAP, keeping in mind the aim of having varied and popular inputs. The National Project Directorate (NPD) is situated at the MoEF. This NPD along with the Steering Committee provides guidance and assistance for the process. A Technical and Policy Core Group (TPCG), consisting of experts from various fields and different parts of India, from both government and outside, is the main planning and executing body of the NBSAP. An administrative coordinating agency will oversee the logistic aspects. Themes will be handled by appropriate Working Groups, and state or local level processes by appropriate nodal agencies and steering committees. These groupings will consist of a cross-section of interests and professions.

We are writing to request you to become the nodal agency for the state of _____, in the context of the NBSAP. As a nodal agency, you will be required to initiate and coordinate the preparation of the action plan for your state/U.T. In this, you will be guided by a State Steering Committee (SSC), comprising of people from various sectors. Please see attached, a list of suggested SSC members. If you think a major aspect is missing, or that someone absolutely essential to the NBSAP is not on the list, please do contact the TPCG coordinator at the address given below.

? A total of ??? will be available for use by the SSC. Please note that this amount must be used keeping in mind the enclosed process guidelines, and in the spirit of frugality and modest expenditure that underlies the whole NBSAP project.

Should we say for what type of of expenses they can use that?

Please contact the Coordinator, TPCG, should you have any further queries with regards to this process. We do hope you can join us in this exciting and important process, and look forward to your positive response.

→ Do we also say the TPCG member responsible for your State?

Thank you, sincerely yours,

(???)
Encl: As above

SSC General 2.1.1. NPD\Invitation letter to state nodal agencies\Ver.1\5.4.2000 No 3 (c) (ii)

Dear

The Ministry of Environment and Forests (MoEF), Government of India, has initiated a project to prepare India's National Biodiversity Strategy and Action Plan (NBSAP). Such a Plan has been a long-felt need in the context of the rapid loss of biological diversity in India, and is also in keeping with India's obligations under the UN Convention on Biological Diversity. In 1999, the MoEF came out with a Macro-Strategy on biodiversity; the NBSAP, which is supported by the Global Environment Facility (GEF) through UNDP, will attempt to flesh out this macro-strategy in the form of very detailed action points and time-bound programmes. A brochure *Call for Participation,* and a Process Outline of the NBSAP is enclosed for your reference.

The aim of the project is to evolve a plan relevant to the country as a whole, tackling the range of biodiversity concerns and the different levels at which biodiversity is impacted. To this end, it is envisaged that action plans will be prepared for 14 themes relating to biodiversity at the national level, for the 32?? states and union territories, for 10 inter-state ecoregions, and for 20 sub-state, local sites. All kinds of biodiversity will be focused upon: wild plants and animals, domesticated livestock and crops, micro-organisms, and ecosystems. In all this, the greatest stress will be on maximum participation of women and men from all sectors: local communities, scientific organisations, NGOs, government agencies of all kinds, political leaders, artists, and others. There will be special focus on issues of gender and equity, ethical concerns, livelihoods linked to biodiversity, threatened species and ecosystems, and community-based conservation. Accordingly, we are also enclosing a set of guidelines for carrying out and documenting the process.

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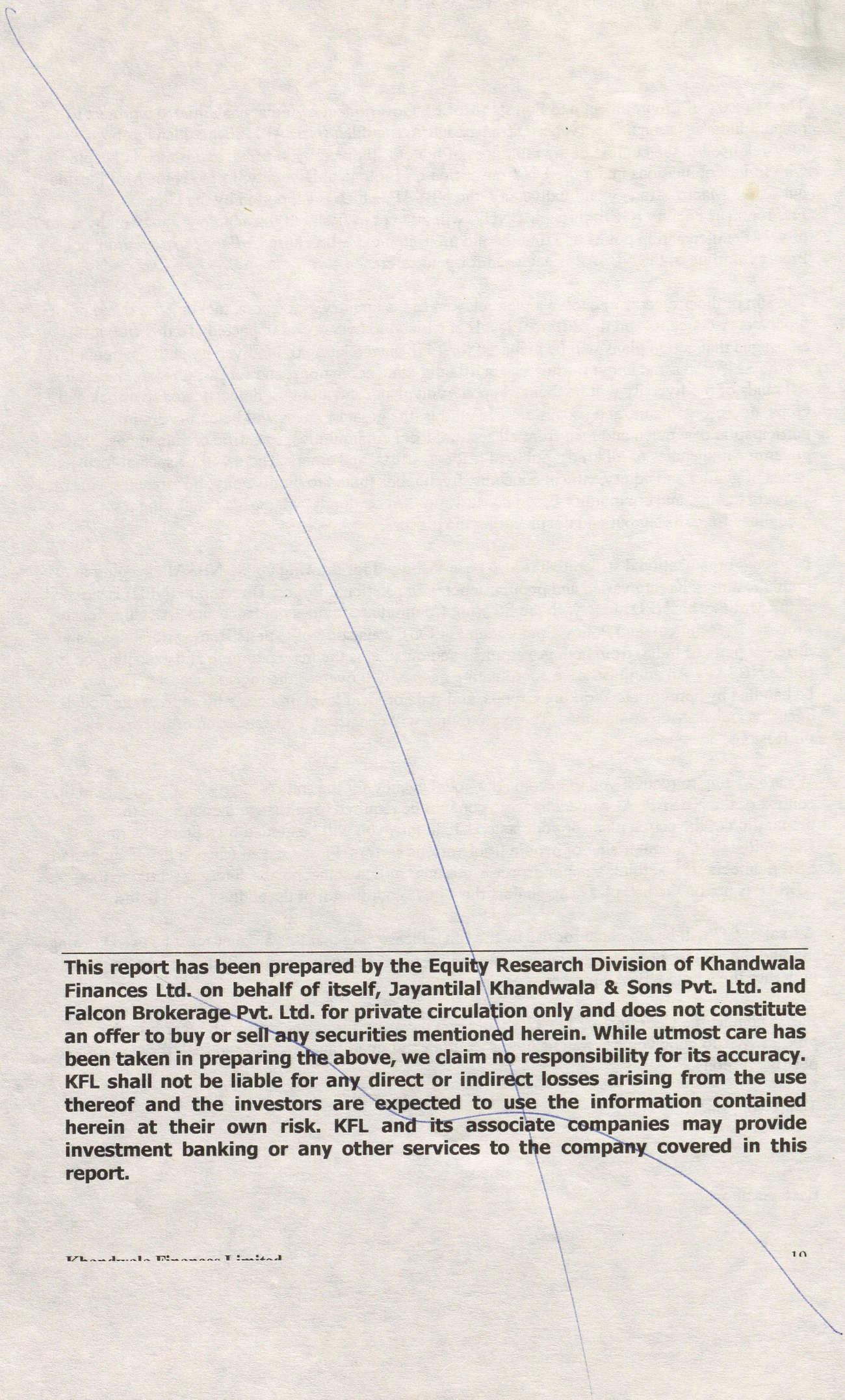
A total of ??? will be available for use by the SSC. Please note that this amount must be used keeping in mind the enclosed process guidelines, and in the spirit of frugality and modest expenditure that underlies the whole NBSAP project.

Please contact the Coordinator, TPCG, should you have any further queries with regards to this process. We do hope you can join us in this exciting and important process, and look forward to your positive response.

Thank you, sincerely yours,

(???)
Encl: As above



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NPD\Invitation letter for INW\Ver.1\5.4.2000

No 3 (i)(iii)

Dear

As you are by now aware, the Ministry of Environment and Forests (MoEF), Government of India, has initiated a project to prepare India's National Biodiversity Strategy and Action Plan (NBSAP). Such a Plan has been a long-felt need in the context of the rapid loss of biological diversity in India, and is also in keeping with India's obligations under the UN Convention on Biological Diversity. In 1999, the MoEF came out with a Macro-Strategy on biodiversity; the NBSAP, which is supported by the Global Environment Facility (GEF) through UNDP, will attempt to flesh out this macro-strategy in the form of very detailed action points and time-bound programmes. In case you have not already received it, a brochure *Call for Participation,* and a Process Outline of the NBSAP, are enclosed for your reference.

Given the vast nature of the project, and the need to evolve a common methodology and understanding amongst all the executing and participating agencies/individuals, it is proposed to organise the Inaugural National Workshop (INW) of the NBSAP on ??? June, 2000. The objectives of the INW are:

1. To open out the NBSAP process to the first level of widespread, nation-wide consultation, involving key individuals who will be involved in pegging the process over the next two years;
2. To make the NBSAP process publicly known, reaching out to different sectors in the country through key contacts, media, and other means to be employed at the workshop.
3. To enable key participants to get to know each other, and to together understand the approach, methodology, and thinking behind the NBSAP process.
4. To set the stage for all the future activities under the NBSAP, at sub-state, state, inter-state, and national levels.

The INW will also provide an opportunity for groups and individuals who would like to display material (print and visual) they have produced, or in other creative ways take part in the workshop.

We would like to invite you for the INW, in your capacity as the ??? (e.g. TWG head, state nodal agency, sub-state nodal agency, Steering Committee, etc.). We believe you have an important role to play in making the NBSAP a successful process.

The (draft) agenda and documents relevant to the discussions at the INW will be sent to you after receiving your confirmation.

You will be entitled to economy class air fare / first class train fare / ???. In Delhi, we will be happy to provide hospitality. Soon after your confirmation for participating in the INW, please do indicate your date of arrival and departure.

Please contact the Coordinator, TPCG, should you have any further queries with regards to this process. We look forward to your positive response.

Thank you, sincerely yours,

(???)

CASH FLOW STATEMENT

in Rs Cores	FY97	FY98	FY99	FY00E	FY01E	FY02E
Sources of Funds						
PAT	5.25	7.45	11.70	19.01	30.71	48.57
Depreciation	0.33	0.70	1.28	2.60	3.64	3.64
Provisions & Write Offs	0.00	0.00	0.00	0.00	0.00	0.00
Increase in Equity	5.05	0.00	5.26	0.00	0.00	0.00
Increase in Share Application Money		0.00	0.00	0.00	0.00	0.00
Increase in Share Premium Account	0.00	0.00	52.56	0.00	0.00	0.00
Increase in Secured Loans (net)	0.00	0.61	-0.61	0.00	0.00	0.00
Increase in Unsecured Loans (net)	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	**10.63**	**8.76**	**70.20**	**21.61**	**34.3**	**52.21**
Uses of Funds						
Payment of Dividend (incl. tax)	47.44	1.11	4.50	5.10	5.67	5.67
Increase in Fixed Assets	0.23	5.99	28.09	0.00	0.00	0.00
Increase in Investments	9.90	0.00	17.00	0.00	0.00	0.00
Increase in Net Current Assets (excl. cash)	-1.05	0.40	7.88	5.23	8.43	50.49
Others	13.30	-0.37	-0.25	0.00	0.00	0.00
Increase in Misc. Expenses	0.13	-0.02	0.09	0	0	0
TOTAL	**69.95**	**7.12**	**57.32**	**10.33**	**14.10**	**56.16**
Opening Cash Balance		0.15	1.79	14.67	25.95	46.19
Net Change in Cash Position		1.64	12.88	11.27	20.25	-3.95
Closing Cash Balance		1.79	14.67	25.95	46.19	42.24

INW Invit. letter (Bansuri's draft) changed substantially

Dear

You may be aware of the process initiated by the MoEF of developing a national strategy and plan of action for conservation of biodiversity in the country. The impetus for initiating this action plan process was to address points of concern and action emanating from the Convention on Biological Diversity. The process of creating the National Biodiversity Strategy and Action Plan started in January of this year, with support from the GEF and UNDP. This strategising exercise aims to be as participatory a process as possible, with inputs from a very large range of contributors leading to the development of the National Action Plan.

MoEF has initiated a...

The aim of the above mentioned process is to evolve an action plan relevant to the country as a whole, and also tackling in a specific manner the range of biodiversity concerns and the different levels at which biodiversity is impacted. To this end, it is envisaged that action plans will be prepared for 14 themes relating to biodiversity at the national level, for the 30 states and union territories, for 10 eco-regions and 20 sub-state/local/district level sites. A layered organizational structure has also been instituted for drawing up the action plan, keeping in mind the aim of having varied ~~and popular~~ public inptuts. The National Project Directorate (NPD) is situated at the MoEF. This Project Directorate along with ~~the~~ a Steering Committee provides guidance and assistance for the process. ~~The~~ A Technical and Policy Core Group (TPCG), consisting of ... & headed by the NGO Kalpavrikshi, is the main coordinating body of the NBSAP. Working Groups will be instituted for the Thematic Areas. Nodal Agencies responsible for drawing up the action plan for a state or union territory will be/have been identified. A State Steering Committee will oversee the development of the State Action Plan. Nodal Agencies will also be identified for each of the eco-regions and sub-state sites.

Invitation- I am writing to you as co-ordinator of the technical and policy core group /on behalf of the executing team of the National Biodiversity Strategy and Action Plan, requesting you to join the NBSAP as member of thematic group on xxxxx/state steering committee for yyyyy. The draft Process outline for the NBSAP process is appended, along with a note indicating the approximate nature of activities of executing agencies.

Change according to MoEF...

Please contact zzzzz should you have any further queries with regards to this process. We look forward to your positive response.

INW – The activities surrounding the NBSAP have been flagged off on the 11th April. The Inaugural National Workshop has been planned for the 29th and 30th of April in New Delhi, to discuss the NBSAP process (outline), and to arrive at a collective understanding of the process and its outputs. The detailed objectives of the National Workshop are: ?

1. To open out the NBSAP process to the first level of widespread, nation-wide consultation, involving key individuals who will be involved in pegging the process over the next two years;
2. To make the NBSAP process publicly known, reaching out to different sectors in the country through key contacts, media, and other means to be employed at the workshop.
3. To enable key participants to get to know each other, and to together understand the approach, methodology, and thinking behind the NBSAP process.
4. To set the stage for all the future activities under the NBSAP, at sub-state, state, inter-state, and national levels.

The (draft) agenda and documents relevant to the discussions at the Inaugural National Workshop are appended.

will be sent later?

Regards,
abc def

Add re-exhibition

The Project Coordinator will maintain a regular flow of information with TSG in the following ways:

1. Submission of annual work plans for RMU.
2. Submission of monthly reports regarding RMU activities.
3. Submission of copies of QPR/QER sent to DFID.
4. Sharing his/her travel itinerary with HLL's representative in the TSG-CC as its Co-Chairman. (This is to facilitate mutual meetings between the two as and when possible).

TECHNICAL OFFICER:

Technical Officer will be a project employee, who will report to the Project Coordinator. Technical Officer will:

- Monitor and facilitate implementation of the three key technical approaches of the project through the partner organisations : Sexually Transmitted Diseases (STDs), Condom Promotion and Behaviour Change Communication (BCC).
- Provide timely feedback after each monitoring visit to the partner organisations enabling them to improve their performance.
- Coordinate the work related to development and implementation of MIS/Quality Assurance System with inputs from the Training Officer and the FAO.
- Coordinate the support required by the partner organisations from the level of RMU in terms of development/procurement /distribution of BCC material, compilation of the list of essential drugs for syndromic approach in treatment of STDs, meeting shortage of condoms from different sources, identification of technical resources at the regional level etc.
- Help partner organisations in proposal development within the frame work of developed guidelines. Organise proposal development workshop(s) as and when required.
- Review the proposals submitted to DFID for support through RMU.
- Coordinate the contracting/re-contracting process for the partner organisations.
- Conduct technical appraisal of organizations intending to become DFID partners.
- Review QPR and provide inputs to the FAO, helping him/her in review of QER.
- Prepare reports on the status of services on the three technical approaches on specified formats of MIS.
- Give inputs to the Training Officer in identification of training needs and organisation of training programmes for capacity building of partner organisations.
- Coordinate the work related to identification of new service delivery organisations as per a criteria developed in consultation with the PC.
- Document the strategic directions that the project takes, particularly in terms of technical approaches.
- Coordinate the research related work under the project like needs/ impact assessment, operations research etc.
- Act as Link officer of the Training Officer in case of his/her absence.
- Any other work assigned by the Project Coordinator from time to time.

SSC General (Status from Wafar)

ashish kothari

From: Mohideen Wafar <wafar@darya.nio.org>
To: boil@nda.vsnl.net.in
Cc: ashish@nda.vsnl.net.in
Subject: SSCs and Wafar
Date: Monday, January 08, 2001 8:39 PM

For: Dr. Ahuja

Dear Dr. Vibha,

Best wishes for a happy and prosperous new year.

I am writing this to take stock of the SSCs under my "responsibility"

Andaman - Was there any further mails from Dr. Harry Andrews reg their first meeting?
Kerala - has the committee been constituted?
Tamil Nadu - Did Mr. Annamalai write to you after his return from dehra Dun?
Lakshadweep _ I wrote them a letter urging revision of the committee constitution. No response so far. the Dy. C.F. is on long leave.
Goa - first meeting held already. second slated for 24 Jan
east coast - despite several mails, no response from Dr. Kannan. (I did get his new year greetings, however!)
west coast - I will call Dr. Madhyastha tomorrow
Natural aquatic - will call Dr. Venkatraman tomorrow.

regards

Wafar

ra.

Checked - Virus free - - - - Interscan Viruswall

Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411 004, India

Ph. and fax: ++91-20-565 4239
Email: ashish@nda.vsnl.net.in

FOCUS on the Global South (India Programme)

C/o YUVA, 52/3, Narepark Municipal School, Opp. Narepark Ground, Parel, Mumbai-400012.
Tel.: 91 22-4143498 / 4155250. Fax: 91 22-3853139 / 4135314. E-Mail: yuva@giasbm01.vsnl.net.in

INVITATION FOR THE CONSULTATION
16TH & 17 July, 1997; NEW DELHI
CO- HOST : VANI

Dear Mr. Ashish Kothari,

Hello!

This is to introduce to you FOCUS on the Global South, A Programme of Activist Development Policy Research and Practice. FOCUS was established in January 1995 as affiliate to the Chulalongkorn University's Social Research Institute of Bangkok, Thailand. FOCUS was co-founded by Dr. Walden Bello and Kamal Malhotra, both of whom are Co-directors of FOCUS at present. The idea is to build FOCUS as an academically vigorous and activist institute. (For more details see enclosed brochure).

FOCUS shares very close links with India with Shri Kamal Malhotra as one of its Co-directors and Shri. P.V. Rajagopal as Member of the Board. India figures prominently in its first three year programme and Minar Pimple is now a part-time Senior Associate.

In India FOCUS would like to involve in the following programmes and issues:

1. To organise micro-macro consultations involving people's organisations, movements, voluntary organisations and committed individuals to identify issues for joint work which will help bridge the information gap between grassroots groups to do more strategic and effective policy influence.

2. To undertake study, dialogues around the issue of voluntary organisations' accountability and transparency.

3. To prepare a case-study on the relationships between social movements and voluntary organisations with the objective of facilitating more effective alliances between them.

4. To undertake capacity building among people's movements and voluntary organisations around macro issues with focus on MDBs especially the World Bank.

This is to request your participation in the consultation organised for the North Zone (Himachal Pradesh, Uttar Pradesh, Haryana and Delhi) with the objective of developing the India programme of FOCUS. FOCUS has already conducted 3 such consultation in Katni, M.P., Ahmedabad for west zone and Banglaore for south zone. The reports of whcih are available on request. FOCUS also plans to hold consultation for East and North East regions.

SSC General (Reg. Nagaland + Manipur)

kalpavriksh

From: ashish kothari <ashish@giasdl01.vsnl.net.in>
To: dr. a. choudhury <badru@gw1.vsnl.net.in>
Cc: Bittu Sahgal <bittusahgal@vsnl.com>; Debi Goenka <debi@beag.net>; Anuprita Patel <anuprita@pn3.vsnl.net.in>; P. C. Bhattacharjee <pcbhatta@gw1.dot.net.in>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; BCIL <bcil@giasdl01.vsnl.net.in>; NBSAP KV Delhi <nbsapna@vsnl.net>; Sujatha NBSAP <kalpavriksh@vsnl.net>
Subject: Re: Tipaimukh, NBSAP, etc.
Date: Sunday, February 04, 2001 12:16 PM

Dear Dr. Choudhury,

Many thanks for your mail. On Tipaimukh, I am awaiting some news on whether the seed festival is likely to become a venue for discussing the issue and for a field visit. Also, we are discussing the possibility of a Kalpavriksh member visiting some of the proposed dam sites in the N-E, in April. I will be seeking your help in this if it materialises.

I completely agree with you re. the NBSAP processes in Manipur and Nagaland. Unfortunately, being a Govt. of India project, the MoEF thought it prudent to go through state governments to appoint nodal agencies, for the state level processes (other levels are being directly appointed by us, and are therefore relatively free of bureaucratic problems). This would appear to be justified, since the state governments need to "own" the process and final product. However, in both Manipur and Nagaland (as in most other states), we had recommended the name of a non-govt. NGO or institution, to be the nodal agency. The state governments did not agree to this, and appointed state agencies. The other thing we have tried to insist upon is that the State Steering Committee (SSC), which is to oversee the entire process and under whose guidance the nodal agency is to work, should be comprised of both govt. and non-govt. people, including NGOs working on various aspects of biodiversity. In the case of Nagaland, unfortunately the SSC is entirely government officials, and we have recommended to MoEF to write to the state govt. to add NGO names (we have recommended a number of names). In Manipur, the SSC has not yet been formulated, and we are hoping that it will be multi-stakeholder, as recommended by us.

In Nagaland, there is a simultaneous process of producing a local level biodiversity action plan, for a cluster of villages in Chedema area, by local NGOs and community members. Such substate plans are independent, directly relating to us, though of course informing the state government about their existence and progress.

I am hoping that such simultaneous processes by people (e.g. the seed festival, if we can link it up), would reduce the government-centric approach that may otherwise take place in these states. Any such process or idea that you can suggest, would also be most welcome. In addition, if you can use your vast experience and contacts in these states (and any others in the north-east) to influence the process, that would be wonderful.

One more comment, by way of caution: In each of the previous chapters the discussion has been based more or less closely on research findings. The purpose of Part III is more conceptual. Based on the insights of the research on perception and preference as well as the benefits of natural settings near and far, the goal now is to find a way to understand not only that material but also situations that have not yet been studied. Thus this chapter delves into theory, into possible reasons (or mechanisms), into ideas as opposed to facts.

MENTAL FATIGUE

At the end of the work day or the work week or after months of steady effort one feels worn out, ready for a break or respite. In fact, all of us have experienced such a state, even in a matter of a few hours, such as after a protracted meeting, intense effort to complete a project, a period of worry and anxiety, or even just a period of trying to do too many things at the same time. The worn-out state in these situations is generally not physical; in fact, one might even complain of a lack of physical activity. Rather, these situations involve what we are calling *mental fatigue* (S. Kaplan, 1987b).

The concept of stress is used in many situations that we would describe as mental fatigue, but the two concepts are distinctly different. Stress involves the preparation for an anticipated event that has been evaluated as being threatening or harmful. Though mental fatigue may well result from such circumstances, it *also* arises out of hard work on a project one enjoys. In such cases there is no threat of harm, no negative evaluation, and no anticipation. As the personnel director of a local firm put it, "You don't have to have a bad boss to get worn out." Conversely, being chased by a bear is likely to be a most stressful experience. It need not, however, result in mental fatigue.

Calling this state mental fatigue, however, does not explain what is wearing down or becoming fatigued. What are the common consequences that result from long hours of study, too many late nights at the office, or days filled with worry and concern? Surely, to say that it is the mind that is fatigued is neither helpful nor even accurate. People so mentally fatigued that they can hardly function can nonetheless spring into action when an emergency arises

or even when something
come along. It would be a
genuinely fatigued simply
under certain circumstanc
attribute the fatigue to th
dividual is thoroughly co

Two Kinds of Attention

A clue to this puzzle come
ficulty of focusing, tha
fatigue. For a mentally fa
something uninteresting
something of great intere
This discrepancy paralle
by William James (1892).
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use. One type, which
refers to attention that
when something excitin
look to discover what is
self to pay attention to
interesting requires a g
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has created a good deal
the expression *directed*

James described stim
tention as having a "di
acteristic exuberance, h
"strange things, movi
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etc. etc. etc." Directed
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Ashish
Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411 004, India

Ph. and fax: ++91-20-565 4239
Email: ashish@nda.vsnl.net.in

> From: dr. a. choudhury <badru@gw1.vsnl.net.in>
> To: ashish kothari <ashish@nda.vsnl.net.in>
> Subject: Re: Tipaimukh, NBSAP, etc.
> Date: Sunday, February 04, 2001 8:10 AM
>
> Dear Mr Kothari,
> I am just back from a 3-week long trip of Manipur and Nagaland. Because
> of prevailing law-and-order situation, I could not make it to the dam site
> of Tipaimukh, however, I could visit some areas of upper catchment. Perhaps
> at the time of festival the situation may be alright and some of the members
> might be able to visit.
> During my visit, I could get the impression that NBSAP in these two
> states are to be coordinated by Governmental agencies. In these two areas,
> bulk of the land belongs to the community. Any effort by the Government to
> protect areas or species (all over Nagaland and the hill districts of
> Manipur) does not get the desired support from the people. Hence, the
> protected areas (except for Keibul Lamjao - that too to some extent only)
> are only on paper. The locals feel that the Governmental conservation
> efforts are interference/imposition. Under such circumstances, I wonder what
> will be the outcome of this Govt.coordinated NBSAP. While the role of the
> Govt. will always be of great significance right from policy making to
> implementation, it will be a strong case if it is reflected as a strategy of
> the people, at least in some NE states, where land belongs to them and the
> Governmental conservation effort in all these years has failed to do
> anything significant. The Govt. may act as the force behind leaving it to
> the NGOs, reputed individuals etc., to initiate activities so that the
> people take it as something for and by them.
> Best wishes,
>
> Dr Anwaruddin Choudhury

or even when something of particular interest happens to come along. It would be a mistake to say that they were not genuinely fatigued simply because they can function well under certain circumstances. And it would be a mistake to attribute the fatigue to the mind as a whole when the individual is thoroughly competent in certain situations.

Two Kinds of Attention

A clue to this puzzle comes from the mental inertia, the difficulty of focusing, that is so characteristic of mental fatigue. For a mentally fatigued person, paying attention to something uninteresting is burdensome, but attending to something of great interest poses no particular challenge. This discrepancy parallels a seminal distinction first made by William James (1892). He identified two types of attention, distinguished in terms of the effort involved in their use. One type, which he called *involuntary attention,* refers to attention that requires no effort at all, such as when something exciting or interesting happens and we look to discover what is going on. By contrast, forcing oneself to pay attention to something that is not particularly interesting requires a good deal of effort. Though James called this kind of attention *voluntary,* this terminology has created a good deal of confusion; thus we shall adopt the expression *directed attention* instead.

James described stimuli that bring forth involuntary attention as having a "direct exciting quality." With characteristic exuberance, he listed examples of such stimuli: "strange things, moving things, wild animals, bright things, pretty things, metallic things, words, blows, blood, etc. etc. etc." Directed attention, by contrast, is not tied to particular stimulus patterns in the same way. One's efforts may involve many specific contents, but the attentional component is generic, or content-free.

It may be useful to explore a potential mechanism for this distinction to help conceptualize the mental fatigue process. A key issue here involves the concept of *inhibition.* As James envisioned it, the way one maintains one's focus on a particular thought is not by strengthening that particular mental activity but by inhibiting everything else. From this perspective, the greatest threat to a given focus of attention is competition from other stimuli or ideas that can be the basis of a different focus. Inhibiting all such

> -----Original Message-----
> From: ashish kothari <ashish@giasdl01.vsnl.net.in>
> To: P.C. Bhattacharjee <pcbhatta@gw1.vsnl.net.in>; Bittu Sahgal
> <bittusahgal@vsnl.com>; Vijendra P. Patil <vppatil@vsnl.com>; Himanshu
> Thakkar <cwaterp@del3.vsnl.net.in>; Valmik Thapar
> <tiger@giasdl01.vsnl.net.in>; Walter Fernandes
<sjkohima@gw1.vsnl.net.in>;
> Ruchi Pant <atree@dte.vsnl.net.in>; Medha Patkar <medhap@bom5.vsnl.net.in>;
> Anwaruddin Choudhury <badru@gw1.vsnl.net.in>
> Cc: Gam Shimray <admin@del3.vsnl.net.in>; P. V. Satheesh
> <ddshyd@hd1.vsnl.net.in>; NBSAP KV Delhi <nbsapna@vsnl.net>; Sujatha
NBSAP
> <kalpavriksh@vsnl.net>
> Date: Friday, January 12, 2001 1:23 PM
> Subject: Re: Tipaimukh, NBSAP, etc.
>
>
> >Dear Bittu, PCB, Himanshu, Satheesh, Valu, Medha, Walter, Anwaruddinji,
and
> >other
> >friends,
> >
> >As part of the NBSAP process, we are trying to take part in a Naga seed
> >festival in Manipur, on February 15. Along with that, there is a
> >possibility of discussing the impending displacement and ecological
> >destruction that the Tipaimukh dam will bring to Manipur. Gam Shimray, a
> >Naga from Manipur who is on the core coordinating committee of NBSAP, is
in
> >touch with the organisers of the seed festival, and thinks that this
could
> >be done. Perhaps a site visit to the damsite could also be arranged.
> >
> >I am not sure about myself, but some of the NBSAP colleagues (Satheesh,
> >PCB?) who will go, could certainly take up this issue. A film unit will
> >also be going, perhaps it could film the onsite visit if it takes place,
if
> >that is of any use.
> >
> >I think some of us may have old records of the Tipaimukh area, from the
> >time we were on the MoEF River Valley Environmental Evaluation
> >Committee...but perhaps some of you may have more material.
> >
> >In addition, my Kalpavriksh colleagues recently (at Panchgani) met with
> >members of the Centre for Organisation, Research, and Education (CORE),
an
> >Imphal based organisation that has been raising the issue of
displacement
> >to be caused by Tipaimukh. Their contact details are: Joseph R. Hmar and
> >Roy Laifungbam, CORE, Yaiskul Police Line, Imphal 795001, Manipur
(email:
> >coremanipur@vsnl.com). They may be able to help in this.

Ph:6281378,641488
E-mail: kanchik@vsnl.com

CHAPTER 6



THE RESTORATIVE ENVIRONMENT

WHEN pressures have built to a critical point people say they have "to get away from it all" or "to escape." These expressions suggest the need for a change of venue, but they ignore the fact that where one is headed may be as important as where one is coming from. One can, after all, escape to many places that would fail to achieve the desired recovery.

Being away may well be a requisite condition for a restorative experience, but it does not address other necessary features. The purpose of this chapter is to examine the qualities that characterize a restorative environment and to explore the psychological benefits that such environments make possible.

The question of what makes an environment serve a restorative function for a frazzled, hassled, worn-out, or irritable individual cannot be answered without first dealing with a prior question. It is necessary to address the issue of what constitutes the "mental fatigue" that a restorative environment is to help one recover from.

The wilderness research (discussed in chapter 4) played a particularly important role in the development of the ideas about what constitutes a restorative environment. In the context of that research we also began to examine the puzzles of mental fatigue more closely. As a framework emerged, it became apparent that the results of many of the other studies (particularly the gardening satisfaction research discussed in chapter 5) were equally applicable. Thus the synthesis that we offer in this chapter looks at the restorative environment in general, with a special focus on the natural environment. Since recovery from mental fatigue occurs at many levels in terms of both time and place, the restorative environment too can be small or vast, brief or more extended.

SSC General

ashish kothari

From: Madhu Sarin <msarin@sancharnet.in>
To: Ashish Kothari <ashish@nda.vsnl.net.in>
Cc: Madhu Sarin <msarin@sancharnet.in>; Kanchi Kohli <nbsapna@vsnl.net>; Dr Vibha Ahuja/Anil <biotech@nda.vsnl.net.in>
Subject: re: defaulting agencies
Date: Friday, January 19, 2001 12:14 AM

Dear Ashish,
About Haryana, I think you may want to add it to the states having problems as I have a feeling that the NPD never wrote to Secretary Environment. From the table it seems that a second SSC meeting has been scheduled but I have no information about it. I am obviously not on their mailing list. I will try ringing again but they are fumbling around on their own. WWF seems totally out of the picture too. The date of the first meeting was the same as the Punjab SSC meeting (October 10, I think). What is mentioned in the table is incorrect.

I will check on progress in Chandigarh on Monday. I think Sohal set a bad precedent and even Ishwar Singh has been posted as SDM enforcement expected to remove encroachments. He probably hasn't had the time to devote to his real work.

Punjab, as you know is moving fast although the nature of 'participation' remains a concern. The govt depts have barely been involved. 5 public hearings have been fixed (the first one was in Jullandar today) for which responsibility was assigned to different NGOs for different districts.

I am not a member of the Shivaliks EWG but have been invited as a special invitee. I plan to attend the first meeting on Jan 29.

Please change my e-mail address in your address books to :msarin@sancharnet.in
The DOT one will stop working in a day or two. In any case, I can't use the reply mode for messages received on that account.

Madhu

48, Sector 4, Chandigarh 160001, India
Tel: 0172-741429/740339/742417
Fax: 0172-741135

Each element is studied by timing several cycles with the help of a decimal minute watch. From such collection of data, elemental time is found by averaging several cycles. Time thus arrived at is called elemental raw time.

Rating.

While performing several definite elements of a particular task the operator under study might have operated at a slower or faster pace than normally one should. In order to rationalise this, rating of each elemental time is done. Time arrived at in this way is called the normal cycle time. This is the time at the rate of which a normal operator can maintain production day in and day out without feeling undue fatigue. Rating, therefore, is the assessment of the workers' rate of working relative to the observer's concept of the rate corresponding to the standard pace.

Allowances.

While fixing the standards, enough attention is given to the fact that a worker has to satisfy his personal needs such as nature's calls, drinking water, etc. In addition to the allowance for personal needs, an allowance is also given for fatigue depending on the type of job. To these allowances a contingency allowance is also added. By adding allowances for personal needs, fatigue and contingencies to the above referred normal cycle time, a time standard which is the "standard time" is arrived at. That is the time in which an operator can continuously produce a product or complete an operation for a long duration.

Standard Performance.

Standard Performance is the average rate of output which a qualified worker will achieve without over-exertion over the working day or shift provided he knows and adheres to the specified method and provided he applies himself to his work.

This performance is denoted as 100 on the standard rating and performance scales.

...../3.

SSC General

kalpavriksh

From: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
To: ashish kothari <ashish@giasdl01.vsnl.net.in>; BCIL <bcil@giasdl01.vsnl.net.in>
Cc: Virinder Sharma <virsharma99@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>; V. Shruti Devi <shrutidevi@hotmail.com>; Sujatha NBSAP <kalpavriksh@vsnl.net>; Sudarshan Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V. Satheesh <ddshyd@hd1.vsnl.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M. Wafar <wafar@darya.nio.org>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; Darshan Shankar <frlht@123india.com>; Bansuri Taneja <baanch@rediffmail.com>; B.M.S. Rathore <bms_r@yahoo.com>; NBSAP KV Delhi <nbsapna@vsnl.net>
Subject: Re: URGENT: List of defaulters
Date: Thursday, January 11, 2001 8:46 PM

Dear Asish/Vibha/ members

Position pof North eastern states :
Meghalaya : I have talked to Dr. Kharbuli. He is having two "public hearing" with in January at villages of "Riboi" district. He sais , he will send the report immediately.
He has talked to Dr. Tripati , North east ecoregion, he is a bit busy will held the meeting shortly. I am trying to contact him.

Arunachal :
The CS will be back by Monday only from tour, then the PA will talk and inform me. I will contact them again on Monday (15th Jan). I have tried to contact Secretary planning,Mr. Sinha, as per the direction of the PA of the CS. He was out and his office has kept my telephone no. They are suppose to contact me.I will try again.

Mizoram:

I have contacted the Secretary of the Nodal agency. They had the ist meeting on 22nd Nov 2000
(or may be 22nd Dec.2000, as it was not very clear , thanks to telecom dept).He will send the report of the meeting , which I insisted.
As per the next step. They will have public hearing in all the head quaters of 9 districts from 22nd January.

Rest is all fine
PCB
----- Original Message -----
From: ashish kothari <ashish@giasdl01.vsnl.net.in>
To: BCIL <bcil@giasdl01.vsnl.net.in>
Cc: Virinder Sharma <virsharma99@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>; V. Shruti Devi <shrutidevi@hotmail.com>; Sujatha NBSAP <kalpavriksh@vsnl.net>; Sudarshan Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V. Satheesh <ddshyd@hd1.vsnl.net.in>; P. C. Bhattacharjee <pcbhatta@gw1.dot.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M. Wafar <wafar@darya.nio.org>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; Darshan

- All official STD phone calls and other official expenses like xeroxing of official documents, hiring of equipment for meeting(s) etc. if incurred, will be reimbursed to the actuals on the basis of bills produced at the time of travel claim.
- If some official guests are provided dinner/lunch during business meetings by the professional staff, the actual expenses minus expenses on self (calculated as total bill amount divided by the number of persons) will be reimbursed on the basis of bills produced at the time of travel claim. The names of the persons taken for lunch/dinner will be mentioned by the staff on the bills /attached seperately.
- The travel entitlements for the Project Coordinator will be same as other RMU staff. He/She will approve his/her own travel plans and he will be sanctioning his/her own payments after the same are checked and processed by FAO.
- All the out station travel plans will be made as per the work plan of RMU approved by DFID. Additional travels felt necessary during the course for himself/herself and the RMU staff will be decided by the Project Coordinator in consultation with DFID. The Project Coordinator will authorise the travel of all RMU staff and approve the travel bills.
- The staff will be allowed to obtain up to 90% of the likely expenses on out station tour as advance, the request for which shall have to be given to the FAO at least three days before proceeding on the tour. FAO shall process the advance request and obtain the approval of Project Coordinator. The staff will settle their travel claims within a week of the completion of the tour. Normally fresh advance shall not be sanctioned until the employee has settled the earlier advance. However, If two tours are planned very close to each other, advance for both of them may be given together or a fresh advance may be allowed by the Project Coordinator, even though the earlier travel advance has not been settled by the staff due to paucity of time.
- The staff will submit the tour report, preferably within a week of the completion of the tour and initiate other necessary follow up actions on the findings of the trip.

Local Conveyance:

- The RMU professional staff will be allowed to use taxis for local travels and seek reimbursement of the actual amount spent. The local travel of the professional staff will be authorised by the Project Coordinator and the support staff by the FAO. Amounts more than Rs.250/ on one visit will require bills form the recipient. A local travel register will be maintained in the office and the staff will take approval from the Project Coordinator/FAO as the case may be, mentioning the purpose and place of visit.
- In case the staff uses his/her own vehicle for official purposes (other than commuting to the office from the residence), the reimbursement will be made at the rate of Rs. 6 per km. in case of car and Rs.3.00 per km in case of two wheelers.
- The Office Attendant will use his own bicycle for covering small distances (up to six kilometers) and will be paid a fixed amount, as approved DFID in the RMU budget from time to time, as conveyance subsidy. For distances greater than six km, the Office Attendant will be authorised to use auto and seek actual reimbursement.
- Accounts Assistant and Secretary will use auto for official travel and the actual amount incurred will be reimbursed.

SSC General

ashish kothari

From: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
To: ashish kothari <ashish@del1.vsnl.net.in>
Subject: Re: SSC status chart
Date: Wednesday, October 25, 2000 3:47 PM

Dear Asish/Vibha,
SSC- North eastern states : position :

Arunachal Pradesh : I have talked to CS office at Itanagar. Kindly send a Fax to CS (0360-212446) Arunachal Pradesh, stating that WWF- has not aggred to be the state Nodel agency for Arunachal Pradesh, hence an alternative organisitions name be suggested. If possibe the fax should go today itself, as there will be holidays.The Ph. No. of CS office is (0360-212595).This is URGENT.

Mizoram: I have contacted CS, he told ne to contact Secretary Science and technology, Govt. of Mizoram, Mr.S.S.Patanayak (0389-325727) but till this time I could not contact him, as he is out of his office. But CS said they have taken a discision about the take Nodel Agency, and will inform within 2 days. (?). I will try tonight at Patanayak's resedence.

Tripura: I talked to Mr. Roy. He will be sending the MoU, after cansultation with the CS.

Nagaland: The PCCF, has be identified as trhe nodel person, I am trying to contact him by telephone, unfortunately couldnot.

Manipur: Nothing could be done till 3 P.M.

Meghalaya : I have talked to Dr. Kharbuli, he told me that the names which they have prepared for ther SSC, some changes they are making, as they want the ZSI, BSI be involved. As soon as it will be finased he will send . The Mou has been received. He has already planned for some workshop and, public hearing.

Dr. Momin (LAC- West Garo hills) has been contacted : he will send the photograph only on , may be monday, as it is "bund " to day at Maghalaya. I asked him the send the photograph of the SC meeting which i attended as well as the photos of "public hereing " at villages.

Dr. Tripati : Momin will contact him, tonight, and will ask him to send the MoU to BCIL.

Assam: The Sate level workshop will be held on 28th and 29th October. Honbl Governor of Assam will inogurate at 10 AM on 28th.Some villagers will be presenting their views also.The massage from Mr. Khowja, as already been given to Dr. Kalita, for presenting it at the workshop.As letter(e-mail) from Asish to Dr. kalita will be good.I will attend the workshop.

Sub-state site: karbi- Anglang _ I am persuing the matter of the finalization of the list, it is in the process.

Thank you all,

FROM: HARI DANG, Padma Shri, Chief Editor, SUSTAINABLE DEVELOPMENT,
DABUR HOUSE / WILDERNESS HOUSE #1, Factory Road, New Delhi-110029.
(old No. 3, Ring Road South; Wireless Road; adjacent western boundary of Safdarjang Hospital),
[Office & Residence Tele-Faxes: 619 8255 ; 619 8954; E-mail: haridang@vsnl.com]
***THIS LETTER FROM : "RANGEET-WEST", #No. 924, Sector 17-B, Gurgaon-122001, Haryana, India. E-mail : hdang@del6.vsnl.net.in**
Tele-Fax : 0124-342291; Telephones : 0124-341014 ; 0124-342290.
Mountain Quail Cottage, Mt. Pelier Estate, Beyond Sisters' Bazaar, Landour Cantt., Mussoorie-248173, Uttarkhand, District Dehra Dun, U.P.; [Residence Telephone-cum-Fax : 63 3357; Fax : (P.P.) 0135 631069; 0135 631917]

Dear **26 July, 2000**

On the occasion of the modest monthly Meeting of the NGO Club, on 19 August at my 'field residence' at Gurgaon, I extend a cordial invitation to you to join us over the usual 'drinks and dinner', at 6.45 pm at, 'RANGEET WEST', house No. 924, Sector 17-B, Gurgaon. This 'Defence Colony' or 17-B, is some 2 ½ km East-North-East of Gurgaon Town.

You will find on the obverse of this, a schematic, hopefully-helpful but not-to-scale sketch-map for your possible routes from Qutab-Minar/Mehrauli/Andheria-'Mor'/Gurgaon Road, or from Dhaula Kuan along the Jaipur Highway. {Please note that Sector 17-B is the sector West of, and adjacent to, the IFFCO Colony. If you are driving from Dhaula Kuan or Signals Enclave or from Vasant Kunj via Mahipalpur on the Jaipur Highway, turn right onto the Link Road through the gap-in-verge 250 metres short of the Mehrauli-Gurgaon Traffic Intersection with the Jaipur Highway, (linking the Jaipur Highway with the Old Palam-Maruti-Gurgaon Road), and take the 2nd large, manned steel-gate-entrance to the Left, as you proceed West along the Link Road, after turning from the Jaipur Highway, as per sketch-map. If you are coming via the Mehrauli-Gurgaon dual-carriage-way road, then turn right back towards Delhi onto the Jaipur Highway at the Traffic Intersection with traffic lights, and again turn left after 250 metres. There is an INDIANOIL Filling Station on the West side of the Highway, where you turn onto the Link Road going West. The distance to the steel entrance Gates for 17-B, from this gap-in-verge turning onto the Link Road, is roughly 800 metres. As you enter through the steel Gates at the sentry-box, turn immediately right onto the service road, and then first-left after 120 metres, and then park as you can. 'RANGEET-WEST' is the unkempt-looking, vegetation-choked house, 4th on the right, with a vacant plot diagonally opposite, which provides car-park space.}

Apart from NGOs, I have also invited some 'friends'. .....and Sushil and Gita Dewan-Verma have agreed to join, with Gita (of SPA, et al) sharing with us her understanding of the issues and problems, as a 'presentation' on the document, 'National Slum Policy' for India, and some perspectives and actions on slums/JJs.

It would be helpful, though not absolutely necessary, if you could let me have your 'decision' about whether you would be able to spare the time that evening to join us, so that other NGOs, NGIs and VAs and such other 'friends' could then be invited, as accommodation might be limited by space to about 40/50 people. While I look forward to meeting you, Mr. Pankaj Roy, of my Office, will be telephoning next week, to seek your convenience, as an 'RSVP'.

With good wishes, and affectionate personal regards,
Yours sincerely,

(HARI DANG Padma Shri)
Chairman, Indian Mountaineering Foundation/T. A. S. D.-International Himalayan Environment Programme and 2nd Action Projects Conference; Member, Governing Body, Automobile Association of Upper India;
Former Member, National Commission on Teachers; SNIPES; NIC; CABE; AICS; Expert Committee on Infrastructural Development, Chairman/Convenor, sub-groups/ctees on the Gulf of Kachchh and Himalayan Heli-Skiing; **Convenor, Society for the Conservation of the Delhi Ridge and the Yamuna (1970);**
Chairman, pro tem, **The** proposed **India International School**
President, Third World Education Centre Society; **Consultant, EdCIL.**

ashish kothari

SSC General

From: Madhu Sarin <msarin@ch1.dot.net.in>
To: Dr Vibha Ahuja/Anil <biotech@giasdl01.vsnl.net.in>; Ashish Kothari <ashish@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: Fw: URGENT - Chd, Punjab, Haryana status
Date: Wednesday, June 14, 2000 6:07 PM

Dear Ashish & Vibha/Anil, I have been ringing furiously since the morning to check on whether the state Co-ordinators for Chandigarh, Punjab & Haryana have received formal intimation for the INW or not. The status is as follows: **1. CHANDIGARH** Spoke to Mr S.S. Sohal, DFO, U.T. He said he has received Ashish's letter but not the promised official letter from MOEF. He will need time to get his tour plan approved if he is to attend the INW so the formal letter had better come fast. The JFM workshop on June 19 & 20 is a competing demand on his time as the single officer dealing with forests/environment in Chandigarh. MOEF must have written to the 'Advisor to the Administrator' of U.T. Administration as Chandigarh does not have a Chief Secretary. I could try speaking to her but the date of the letter sent by Vinod Vaish on the copy I have is totally illegible. PLEASE SEND me the date on which Mr Vaish wrote to the Chief Secretaries immediately so that I may try following up at this end. I have also looked at the SSC list dated 26.5.2000 (which seems to be the latest version that I have). The following details need to be added to the Chandigarh co-ordinators' address: Mr S.S. Sohal, DFO & Director, Environment, Forest Office, Madhya Marg, Sector 19-B, Chandigarh-160019 Tel: Forest Office: 0172-775951 Residence: 0172-545225 Fax: Forest Office: 0172-782645 Tel/Fax: Dept. of Environment: 705186 PLEASE MAKE THE NECESSARY CHANGES/ADDITIONS ON THE SSC LIST. If the official letter of invitation can be faxed to him immediately, he might be able to make it. **2. HARYANA** Sangeeta Jund of WWF has not received any intimation about the workshop. Some weeks back Mr A.K. Mehta, a scientist from the Haryana Dept. of Environment had come to check on WWF, Chandigarh's capacity to function as a nodal agency but she had heard no more since then. I have just spoken to Mr Mehta and he said that as asked by MOEF in consultation with Haryana's Secretary Environment, they have already constituted a State Steering Committee consisting of the heads of all relevant govt. departments (Agriculture, Horticulture, Fisheries, Forests, Environment, etc.). 2 NGO members are proposed to be inducted. They have accepted WWF functioning as the state nodal agency and Mr Shrikant Walgad, Director and Mr Manmohan Singh, Joint Director will be participating in the workshop. It appears that yesterday they received a fax saying the venue will be INSA building near ITO (what happened to the WWF hall idea?). Ironically, WWF, the nodal agency, has not received an invitation. I had sent the new address of WWF, Chandigarh but that has not been entered in the SSC list of 26.5.2000. PLEASE ENTER the following in that: Ms Sangeeta Jund, WWF, Chandigarh, Karuna Sadan, Sector 11, Chandigarh-160011 Tel: 0172-746231 (They do not have a fax but a fax can be sent for Sangeeta at 704118 with the request that it may kindly be sent to her) SHE SHOULD BE FAXED an invitation immediately. Otherwise there will be no presence of the nodal agency for Haryana at the INW. **3. PUNJAB** Have tried ringing the Punjab State Council for Science & Technology umpteen times. The number is always engaged. Will keep trying. I had sent the new address of PSCST sometime back - is not on the 26.5.2000 SSC list. PLEASE ENTER THE FOLLOWING on that list: Dr N.S. Tiwana,Director, Punjab State Council of Science & Technology, MG State Institute of Public Administration Complex, Near Sacred Heart School, Sector 26, Chandigarh. Tel: 0172-792325. (Do not have a fax number) Madhu Sarin
48, Sector 4, Chandigarh 160001, India Tel: 0172-741429/740339/742417
Fax: 0172-741135

SSC

SSC

SSC

WORLDWATCH INSTITUTE
1776 Massachusetts Ave., NW
Washington, DC 20036

March 2000

To Earth Day 2000 organizations worldwide:

We are sending you the enclosed issue of *World Watch* magazine in the hope that you will find it useful in your forthcoming Earth Day activities.

The "Earth Day Report Card" on pages 10-11 offers a graphic overview of how our planet has fared over the past 30 years, since Denis Hayes and Gaylord Nelson organized the first Earth Day in 1970. We are granting unlimited permission to copy these two pages for further distribution, provided that they are reproduced in their entirety.

We hope you will also enjoy the essays by Denis Hayes and Christopher Flavin, on the crucial connections between energy and climate—connections that are forcing us to rethink not just our energy economy, but the basic question of what an economy *is*.

In the longer articles (on remote sensing of environmental change, and on the spreading problem of chemical pollutants), we hope you will find a degree of depth and clarity that is often lacking in mainstream media coverage.

Additional copies of this issue are available to your group at a nominal cost. For information, please call or email Elizabeth Hopper in our Washington, D.C. office, at 202-452-1992 x 517, or <lhopper@worldwatch.org>.

Sincerely,

Ed Ayres

Ed Ayres
Editor

♻ Printed on recycled paper containing 30% post-consumer waste.

SSC General

+1-609-258-2518

ashish kothari

From: Madhu Sarin <msarin@ch1.dot.net.in>
To: C. Renuka <biotech@giasdl01.vsnl.net.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; Ashish Kothari <ashish@giasdl01.vsnl.net.in>
Subject: Fax nos.
Date: Monday, May 29, 2000 5:40 PM

Dear all, Mr Sohal's tel/fax no. in the Chandigarh Dept. of Environment is: 0172-705186. In the U.T. Forest Dept., the fax no. is: 0172-782645. The new address of the Punjab State Council of Science & Technology is MG State Institute of Public Administration Complex, Near Sacred Heart School, Sector 26, Chandigarh. Tel:0172-792325. Unfortunately, they do not yet have a fax at their new premises. As a consequence, Dr N.S. Tiwana cannot be reached by fax. Incidentally, the regional office of WWF in Chandigarh has also moved. Their new address (for Ms Sangeeta Jund on our list) is: WWF-I, Karuna Sadan, Sector 11, Chandigarh. Tel: 0172-746231 ANIL/RENUKA, COULD YOU PLEASE LET ME KNOW IMMEDIATELY WHETHER YOU HAVE FOUND THE CAMERA READY COPY OF THE PUNJABI TRANSLATION?IF NOT, I WILL HAVE TO TRY OBTAINING ANOTHER COPY BEFORE THE JUNE 2-3 MEETING. Madhu

48, Sector 4, Chandigarh 160001, India Tel: 0172-741429/740339/742417
Fax: 0172-741135

Sent fax 30/5

Check add 31/5

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LAST TRANSMISSION REPORT

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IUCAA PUNE

FAX

IUCAA

Inter-University Centre for Astronomy & Astrophysics

Post Bag 4, Ganeshkhind, Pune 411 007. India

Date **November 10, 1997** No. of pages **1 + 1** Page of

From **T. Padmanabhan**

Our Fax No. : 91-212-350760

e-mail : root @iucaa.ernet.in

Uniform Resource Locator : http : // www.iucaa.ernet.in /

To **Prof. J.H. Taylor** Fax No. **+609-258-2518**

CONFIDENTIAL

Refereo

kalpavriksh

From: kalpavriksh <kvriksh@vsnl.com>
To: BCIL <bcil@giasdl01.vsnl.net.in>
Subject: SSC list: Corrections and additions
Date: Wednesday, May 24, 2000 8:29 PM

Dear Anil,
Pl note some changes\additions for the SSC list
Andaman & Nicobar :
Andaman & Nicobar Environment Trust should read as Andaman and Nicobar Islands Environmental Team
Samir Acharya has an email : samirgita@yahoo.co.uk

Delhi
WWF-India Fax : 011 4691226\4626837

Orissa
The full name of the nodal agency is Nature and Wildlife.....Orissa. The contact person is S.K.Patnaik , Add Janpath to the address before Shaheed Nagar. Their pin code is 751 007 . The telephone number is 53840.

West Bengal
Arindam's group is NESPON (North East Society for Protecting Nature)

Two addresses are incomplete : S.S.Sohals (Chandigarh) and N.S.Tiwana . Could you try and get them. Maybe Madhu can help.

Sujatha
Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411004
Ph. and fax: 91-20-5654239
Email: kvriksh@vsnl.com

Setting the determinant to zero, we find the following equation analogous to eq.(3.16):

$$\left(k^2+\epsilon X\right)^2\left(k^2+(\delta+2\epsilon)X\right) \;=\; 0. \qquad (A.17)$$

There are two coincident roots, corresponding to the modified light cone

$$k^2+\epsilon X \;=\; 0 \qquad (A.18)$$

and one other corresponding to

$$k^2+(\delta+2\epsilon)X \;=\; 0. \qquad (A.19)$$

To analyse the light velocities, we can now with no loss of generality choose a specific direction of photon propagation, say $k^1 = k^2 = 0$ with $k^0, k^3 \neq 0$. A further short calculation now shows that the photon velocities corresponding to the two distinct roots (A.18) and (A.19) are

$$\left|\frac{k^0}{k^3}\right| \;=\; 1+\frac{1}{2}\epsilon\Big[\left(E_1-B_2\right)^2+\left(E_2+B_1\right)^2\Big] \qquad (A.20)$$

and

$$\left|\frac{k^0}{k^3}\right| \;=\; 1+\frac{1}{2}(\delta+2\epsilon)\Big[\left(E_1-B_2\right)^2+\left(E_2+B_1\right)^2\Big], \qquad (A.21)$$

the only difference being the coefficients.

The important observation is that the dependence on the background electric and magnetic fields takes the form of a sum of two perfect squares and is therefore always positive. Since both the coefficients ϵ and $\delta+2\epsilon$ from the Euler-Heisenberg effective action are negative, we find that the photon velocity for an arbitrary anisotropic electromagnetic background field is always less than c.

SSC general

kalpavriksh

From: kalpavriksh <kvriksh@vsnl.com>
To: BCIL <bcil@giasdl01.vsnl.net.in>
Subject:
Date: Monday, May 29, 2000 10:18 AM

Dear Anil, Vibha,
With ref. to the SSC lists pl note:
1. In some of the states you will have to change the nodal agency where an NGO has been designated by MOEF. eg - Andaman & Nicobar Harry Andrews will have to shift to nodal agency. It will be useful to say in collaboration with Alok Saxena and retain both addresses.
2.Pl incorporate Seema's additions of this morning.
3. In Bihar SSC, DS Srivastava has been repeated under members
4.UP SSC- TERI Tel : 4632609 Fax 4621770
5.AP SSC – Nodal agency Fax:3000361
6.Himachal SSC, pl add STD code:0177 to nodal agency number; Sanjeeva Pandey's full address: Shamshi, District Kullu, Himachal-175 126
7.Karnataka SSC- Tel:8461713; Fax:3530070
8.Gujarat SSC – Hasmukh Shah's fax: 0265 384664

With ref to TWG lists :
1. Ajith Kumar's fax is 0422 857088
2. Tapan Chakraborthy's fax is 0172 690585; 0172 690632
3. TWG coordinator of Policies Laws….is Tushar Shah
4. Wild biodiversity: Invertebrate expert's name : T.N. Ananthakrishnan, Emeritus Scientist, Flat No 6, Dwaraka, 22 Kandar Nagar, Nungambakkam, Chennai 600 034
5. Delete Usha Menon's name from nodal and move to member
6. TWG Wild Bio Animals : Ranjit Daniels change of address-Hon Secretary, Chennai Snake Park, Raj Bhavan Post, Chennai 600 022

With ref to the LAC list, additions to be made to the coordinators list Ashish sent you : from Usha's email, Ashish's email with Vidarbha, PCB's email dated 26&27th and
Seema's email with the Gujarat addresses .

Pl note that the list of changes may not be exhaustive – the SSC changes were typed on Saturday and will not include any mails that have come subsequently.

Sujatha

Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411004

From Istvan.Szapudi@durham.ac.uk Tue Oct 21 18:59:10 1997
From: Istvan Szapudi <Istvan.Szapudi@durham.ac.uk>
To: New Address List <A.L.Melchior@qmw.ac.uk>, BERTRAM@nuhepq.phys.nwu.edu,
BERTRAM@nuhepr.phys.nwu.edu, Ben.Moore@Durham.ac.uk,
C.S.Frenk@Durham.ac.uk, D.C.Martin@Durham.ac.uk,
D.M.Almond@Durham.ac.uk, DOLGOV@nbivms.nbi.dk,
DOMOKOS@avaxfi.fi.infn.it, E.Barrett@qmw.ac.uk,
E.F.Branchini@Durham.ac.uk, FRIEMAN@FNALV.fnal.gov,
Fabio.Governato@Durham.ac.uk, GARCIA@stsci.edu,
GEORGE@oracle.caltech.edu, MERRITT@ruthep.rutgers.edu,
MONIQUE.vanderWAL@wkap.nl, NANCY@ruthep.rutgers.edu,
Orszag@meteor.uni-frankfurt.de, R.Jimenez@roe.ac.uk,
Subject: New Address
Date: Tue, 21 Oct 1997 12:42:31 +0100 (BST)

Dear Collegues and Friends,

Please take notice of my new coordinates below:

Cheers, Istvan

PS. This list was automatically generated, so please disregard any
possible multiple messages...

Istvan Szapudi	Tel. : +44-(191)-374 2194 (work)
University of Durham	:
Department of Physics	Fax : +44-(191)-374 7465 (or ext. 3749)
South Road, Durham DH1 3LE	Email: Istvan.Szapudi@Durham.ac.uk
United Kingdom	:

update in address book

SSC general

kalpavriksh

From: Sunitha Mary S. <sunitha@ces.iisc.ernet.in>
To: kalpavriksha <kvriksh@vsnl.com>
Subject: address
Date: Monday, May 08, 2000 2:49 PM

Bihar SSC Nodal agency

1. Dr. D. S. Srivastava
   Secretary
   Nature Conservation Society
   `Apoorva', I.T.O. Road
   Redma, Daltonganj - 822 101
   Palamu, Bihar.

2. Dr. (Mrs.) Tvisha M. Pandya
   Lecturer, Dept of Botany
   Faculty of Science
   M. S. University of Baroda
   Vadodara - 390 002

3. Dr. Asha Gupta
   Asst. Professor
   Dept. of Life Sciences
   Manipur University
   Imphal - 795 003

4. Dr. Shilanjan Bhattacharya
   Dept. of Zoology
   Vivekananda College
   Thakurpukur
   Calcutta - 700 063

अंतर-विश्वविद्यालय केंद्र : खगोलविज्ञान और खगोलभौतिकी IUCAA

Inter-University Centre for Astronomy and Astrophysics

An Autonomous Institution of the University Grants Commission

September 18, 1996

Dr. R. Srianand,
IUCAA,
Post Bag 4, Ganeshkhind,
Pune - 411 007.

Dear Srianand,

Indian Academy of Sciences will be sponsoring a Discussion Meeting on "High Redshift Universe" at Orange County, Coorg during 23 - 28th February 1997. I and G. Srinivasan (RRI) will be jointly organisng this meeting. Some details regarding this meeting are enclosed.

We are happy to invite you to participate in this discussion meeting. The Academy will be able to take care of your local hospitality and will be making necessary arrangements for your local transport between Bangalore and Orange County. All participants are expected to reach Bangalore by 21st February (Friday) and arrangements for overnight stay on 21st February at Bangalore will be taken care of by the local organizers. The participants will reach Orange County on 22nd February and the meeting will begin on the 23rd morning.

We hope you will be able to find your own travel support to reach Bangalore. In case you anticipate serious problems in this regard please let us know and we will see whether Academy can provide some assistance towards travel.

Could you please confirm, preferably by email, whether you can accept this invitation? Please send your reply to nabhan@iucaa.ernet.in

With best regards,

yours sincerely,

for

T. Padmanabhan & G. Srinivasan
(IUCAA) (RRI)

Mailing Address : IUCAA, Post Bag 4, Ganeshkhind, Pune 411007, India.
Location : Meghnad Saha Road, Pune University Campus, Pune 411007
Phone : 91-212-351414,359415 ▮ **Fax** : 91-212-350760
e-mail : root @iucaa.ernet.in
Uniform Resource Locator : http : // www.iucaa.ernet.in /

SSC General Addresses?

ashish kothari

From: Madhu Sarin <msarin@ch1.dot.net.in>
To: C. Renuka <biotech@giasdl01.vsnl.net.in>; Ashish Kothari <ashish@giasdl01.vsnl.net.in>
Subject: Additional Punjab addresses
Date: Tuesday, April 04, 2000 5:22 PM

Dear Ashish & Renuka/Anil, I am resending the Punjab/Har/Chd addresses file with 4 additional addresses. One of them is of a lady farmer in Jalandhar who is apparently doing interesting work. Unfortunately, no telephone/fax numbers or e-mail addresses are available for any of them at the moment. The friend through whom I have located these says he will try and obtain at least their telephone numbers over the coming days. In Chandigarh also, 2 more names have been added. Haryana continues to look bleak! In 7 of the other states, I think it will be useful to involve someone from the Mahila Samakhya Programme which is a literacy-cum-women's empowerment programme. Working with rural women, the programme has invariably come face to face with women's relationship with natural resources, having to address it in some form or the other. The quality of the programme has tended to have ups and downs with the quality of the state co-ordinator at a particular time. I know that the 7 states covered include Gujarat, Karnataka, UP hills, Bihar and probably Andhra & MP. I am not sure of the 7th one. It will be useful to list State Co-ordinator, Mahila Samakhya as a SSC member at least in the above states. I was also wondering where some national figures who have worked on women, environment and development issues - such as Dr Vina Mazumdar, Dr Kumud Sharma (both with the Centre for Women's Development Studies as founding and present directors) could be fitted in. They could bring in valuable perspectives. CWDS has organised several national and regional peasant women's congresses and taken selected peasant women to international fora like the Beijing women's conference. Another important figure is Ela Bhatt of SEWA. SEWA is listed under Gujarat and I have included Narayan Banerjee's address (he's the deputy director of CWDS at present) in the West Bengal/livelihoods TWG list. But their understanding and perspectives are larger. Renu Khanna had promised to send me the addresses of the Shodhini network members (women & health) but she has obviously been too busy. I'll forward them as soon as I get them. With best wishes, Madhu

48, Sector 4, Chandigarh 160001, India Tel: 0172-741429/740339/742417
Fax: 0172-741135

NATURE OF INVOLVEMENT

1. CONDUCT EXPERIMENTS

2. DESIGN EQUIPMENT FOR LAB USE — TSC

3. DESIGN & FABRICATE MAJOR EQUIPMENT FOR USE WITH DAE FACILITIES. — BEAMLINE

4. DESIGN MAJOR EQUIPMENT FOR IN-HOUSE USE. — CRYOEYE, VACSYS.

SSC / General

NBSAP

List of potential persons/organisations to involve with NBSAP process

CHANDIGARH U.T.

Nodal Agency

Dept. of Environment,
Mr S.S. Sohal, DFO,
Director
Tel: 0172-782645 (Office), 545225 (Residence)

Potential Steering Committee members

Captain Suresh Sharma,
No stable address,
Chandigarh based (Mobile No: 98-140-60241)
Postal Address
P.O. Box 752,
Chandigarh-19

(Deeply involved in snake protection, says uses snakes as a medium to convey WL conservation message. Earns living by taking some foreign tourists on WL tours, main focus - conservation education programmes. Worked on 2 WL films for National Geographic).

Dr Sangeeta Jund, Education Officer,
WWF-I,
S.C.O. 68-70,
Sector 17-C,
Chandigarh.
Tel: 0172-704368/709581
Fax: 0172-704118

Dr R.C. Sobti, Chairman,
Deptt. Of Biotechnology,
Panjab University,
Chandigarh.
Tel: 0171-541441 (P.U. Exchange)
(Has been involved with WWF programmes)

Dr R.K. Kohli, Reader,
Deptt. Of Botany,
P.U.
Chandigarh.
Tel: 0172-541441 (P.U. Exchange)
(Has been involved with WWF programmes)

Dr M.S. Johal,
Professor, Dept. of Zoology,
Panjab University, Chandigarh
Tel: 0172-784449 (Has been involved with WWF programmes)

Mr S.K. Sharma,
Environment Society of India,
Karuna Sadan, Sector 11,
Chandigarh.

INTER UNIVERSITY CONSORTIUM
for
DEPT OF ATOMIC ENERGY FACILITIES.

IUC DAEF

MANDATE

- ACT AS A CATALYST FOR INTERACTION BETWEEN RESEARCHERS FROM UNIVERSITIE WITH THOSE FROM MAJOR RESEARCH FACILITIES OF DAE (DHRUVA, INDUS, VECC)

- TO DEVELOP COMETENCE IN DESIGN, FAB. AND UTILISATION OF DAE FACILITIES AND PROVIDE THE INSTITUTIONAL FRAMEWORK FOR THE SAME

- ORGANISE TRAINING, WORKSHOP AND CONFERENCES FOR THE ABOVE

- OPERATE VISITOR PROGRAM FOR UNIV. SCIENTISTS TOWARDS UTILISING DAE FAC.

- CREATE NECESSARY IN-HOUSE INFRA-STRUCTURE FOR PROPER UTILISATION OF DHRUVA, INDUS & VEC.

—.—

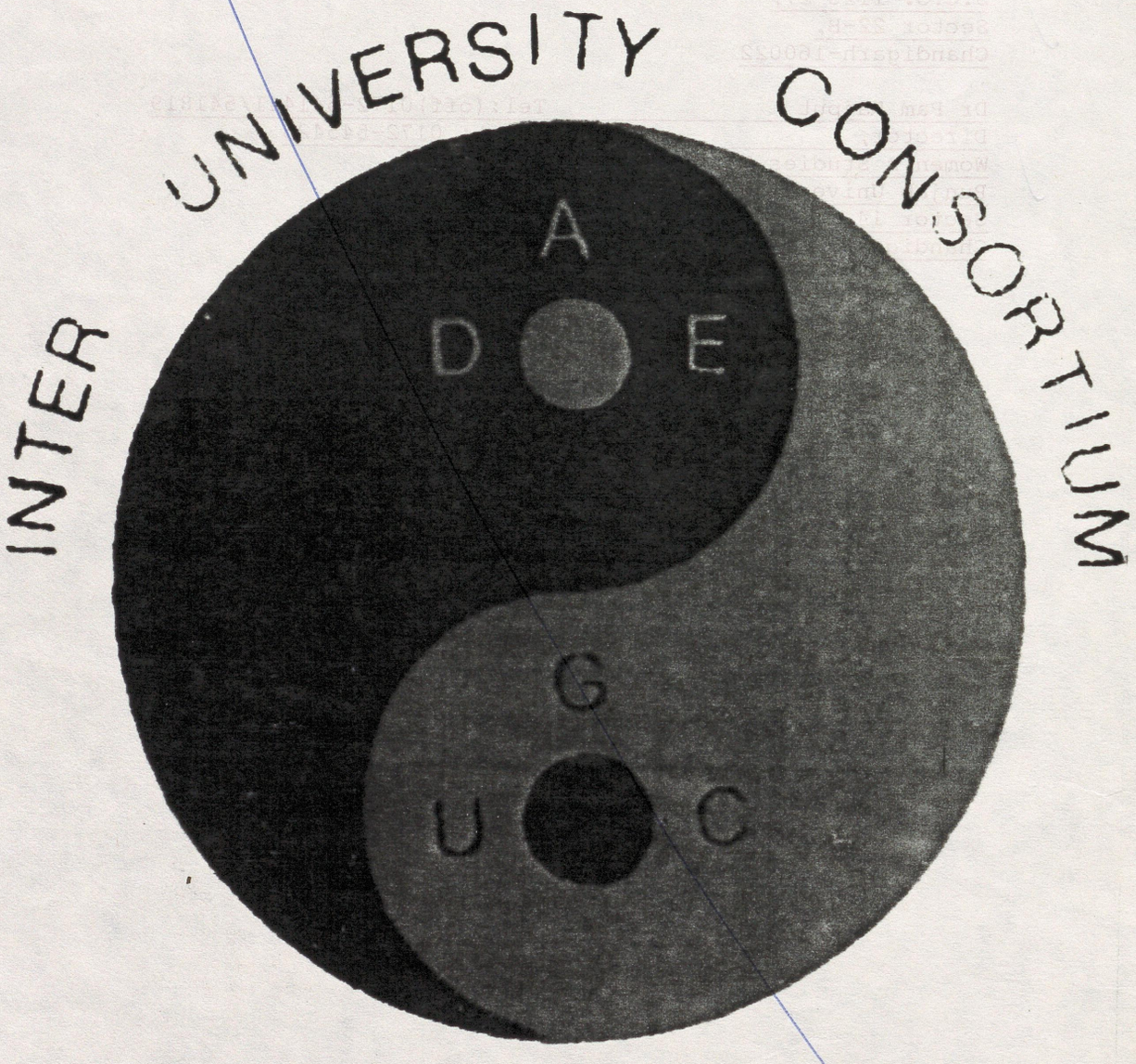
THREE CENTRES : BOMBAY, CALCUTTA, INDORE
DHRUVA, VEC , INDUS

Mr Pramod Sharma,
Yuvsatta,
3362, Sector 35-D,
Chandigarh.
Tel: 0172-614951
E-mail: yusatta@ch1.dot.net.in

Dr (Mrs) Pawan Sharma, Tel:0172-554285
Sr. Scientist (microbiology),
CSWCRTI Research Farm,
Manimajra,
U.T. Chandigarh.

Mr Pramod Kumar, Tel: 0172-707942
Institute for Development Fax: 0172-702254
& Communication, E-mail: krpramod@ch1.dot.net.in
S.C.O. 1126-27,
Sector 22-B,
Chandigarh-160022

Dr Pam Rajput Tel:(off)0172-541441/541819
Director, (Res): 0172-545425
Women's Studies Unit,
Punjab University,
Sector 14,
Chandigarh.


INTER UNIVERSITY CONSORTIUM
A
D
E
G
U
C

HARYANA

Nodal Agency ?

Department of Environment ?
Haryana Forest Department?
WWF, Chandigarh?
CSWCRTI (Central Soil & Water Conservation
Research & Training Institute, Chandigarh?

WL Wing separated from FD, separate Sec. WL Ms Promila Issar - keen,but tiny organisation. New Chief WL Warden likely to take over soon.

Resource persons:

Mr R.D. Jakati, CCF
(on study leave)
Res: 0172-573441
(Was Chief WL Warden till some months ago, has prepared and submitted a BD conservation plan for Haryana to MOEF).

Dr Rajiv Singh Kalsi,
Lecturer,
M.L.N. College,
Yamunanagar.

Residence:
House No.4,
Professor Colony of M.L.N. College,
Yamunagar
Tel: 01732-33666 (Res)

(Done lots of work on birds; actively involved; works with WWF, Chandigarh office).

Mr Suresh Sharma
Sonepat (ex-Kalpavriksh - Ashish has address)

Dr Swarn Lata Arya, Tel: Off: 650783
Scientist Sr. Scale, Res: 657269
CSWCRTI, Fax: c/o 782775
Madhya Marg,
Chandigarh-160172
(Has studied impact of water harvesting dams on women in Haryana)

Achievements

- Organized nuclear physics community in the universities to take up front ranking studies
- Generated materials Science users & made an international impact SHIMEC-98
- Computer Control of Pelletron
- Data Acquisition Systems for Universities
- Detector Development Labs in universities

- Joint Collaboration with ANL
  - new type of resonating structure
  - cryogenic diagonostics
  - Multi-harmonic buncher
  - rf amplifier

- Invited to participate in the design of next generation RMS in ORNL
- RF high power devise → Know how to Hind High Vac.

▸ Proposed

LGA · HYRA

as National Facility for NSRRD studies

Possibility to make it Asian Facility

PUNJAB

Nodal Agency

Punjab State Council of Science & Technology

Dr N.S. Tiwana,
Director,
SCO 2935/36
Sector 22-C,
Chandigarh-160022
Tel: 0172-702602/701902

Dr Neelam Jerath
Sr. Scientific Officer (?)
Incharge of Biodiversity

Involved with doing a BD study of the Shiwaliks (districts Ropar, Nawanshahar and Hoshiarpur) in collaboration with ZSI, BSI & Punjabi University, Patiala. (Shiwaliks one of the endemic areas which no one is studying). A state BD committee has been constituted.

Had earlier done a studdy on Harike published by WWF under its series on Ramsar sites.

PSCST also nodal agency for NEAP of MOEF. In touch with NGOs working in the Shiwaliks.

In Harike, some army officers coming up. Youth can also be mobilised through youth clubs registered with Dept. of Social Welfare & Youth Services. These can't be funded under NEAP because not registered as societies.

Other resource persons (Punjab)

Dr S.S. Grewal, Tel: 01885-41607
Associate Director, Training, Res: 41608
Regional Training Centre on CHD Res: 612736
Integrated W.S. Dev.,
Ballowal Saunkhri,
P.O. Takarla,
Tehsil Balachaur,
Dist. Hoshiarpur (Punjab)
(Working on the World Bank Integrated Wateshed Dev. Project, earlier worked on Sukhomajri)

Dr Anish Dua
Fresh Water Biologist,
Lecturer, Dept. of Zoology,
Guru Nanak Dev University,
Amritsar.

Strategy

- Get Pelletron going by Dec 19. 1990
  & Exptal facilities asap

- Design do not copy
- Subcontract : Locally, in India / abroad
- Designate responsibility with parts to be done in universities

For systems contracted abroad

- NEC
- Danfysik

} full participation during fabrication / assembly / testing

▶ Develop capability for indigenous fabrication for Phase II

- Argonne National Lab
- CCI
- Phillips

(Young, done a lot of work on Harike, worked with Sangeeta Jund of WWF-I, Chandigarh office. Can involve students in work).

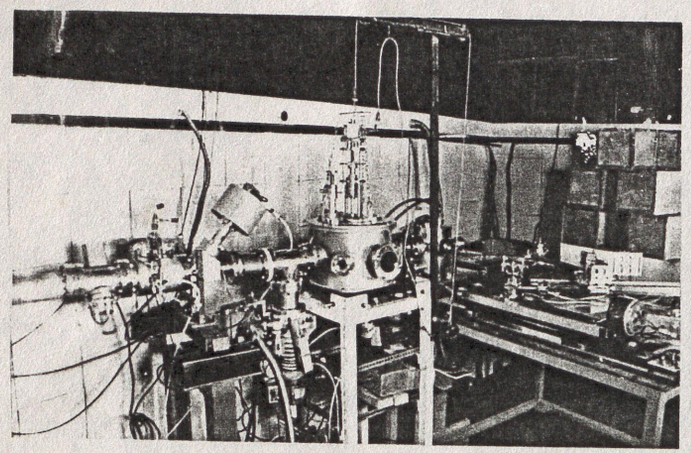
Mr. Gurmeet Singh
PCCF, Punjab.
Tel: 0172-701351

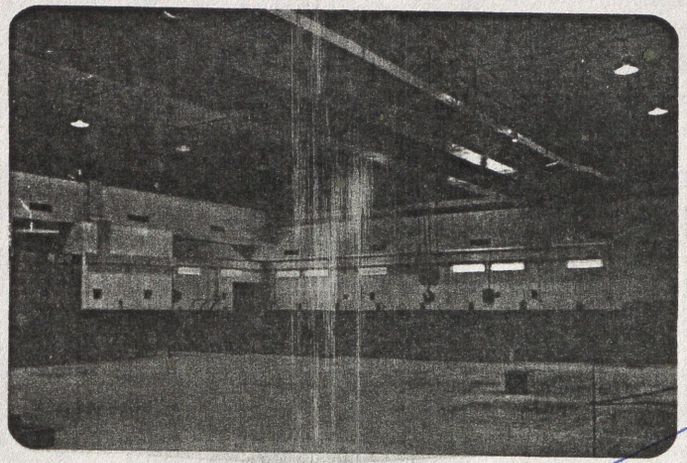
Shri Sant Kumar Bishnoi,
All India Jeev Raksha Bishnoi Sabha,
Street No.13, Abohar-152116
Dist. Ferozepur

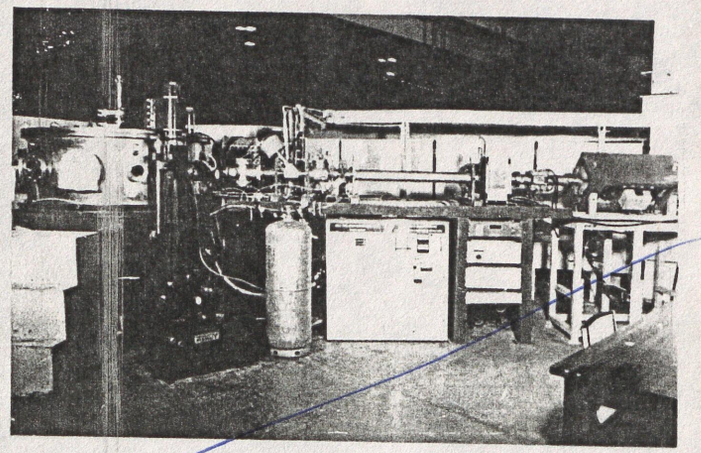
Shri Dharam Singh Sahota,
Secretary,
The Environment Society of Gardhiwala
Gardhiwala-144207
Dist. Hoshiarpur

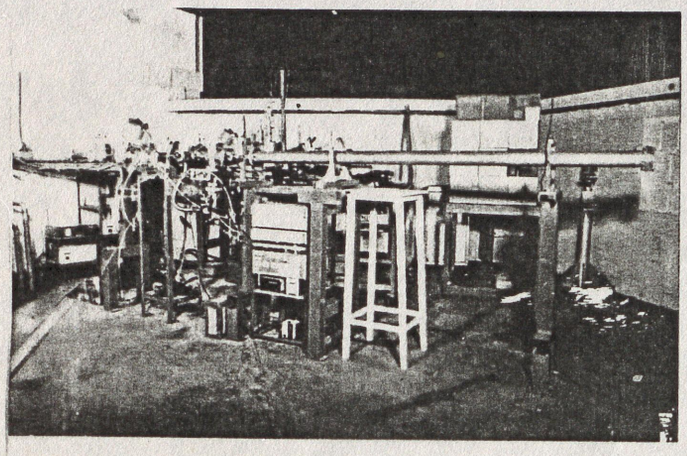
Young Farmers Association of Punjab,
Chowk Magni Ram
PO Box No.54,
Patiala-147001.

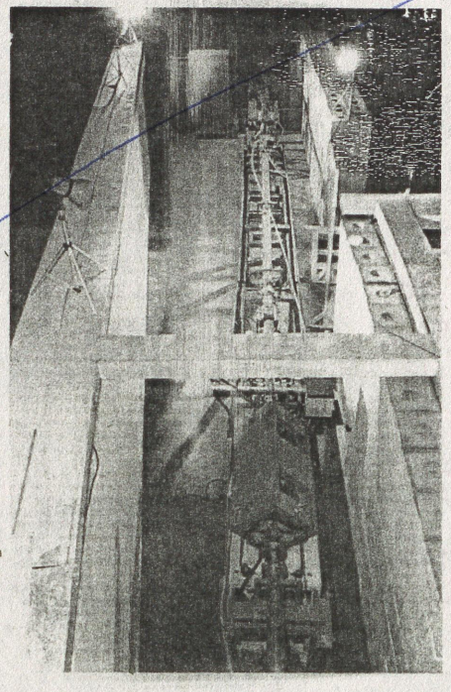
Ms Sangeeta Deol,
Village & PO Dhanal,
Dist. Jalandhar (Punjab)
(Farmer lady doing several interesting things)

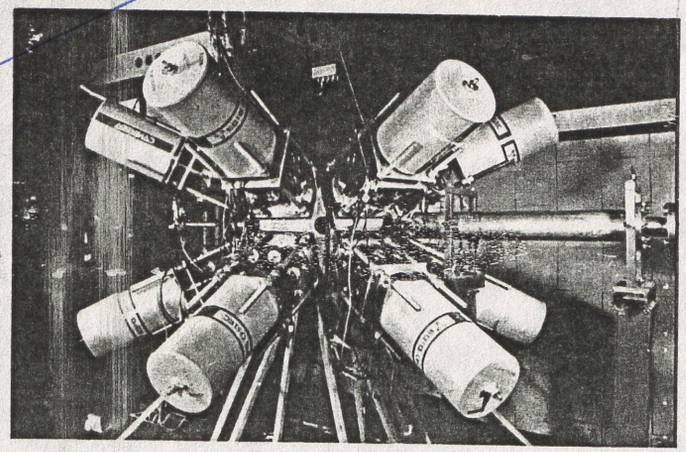


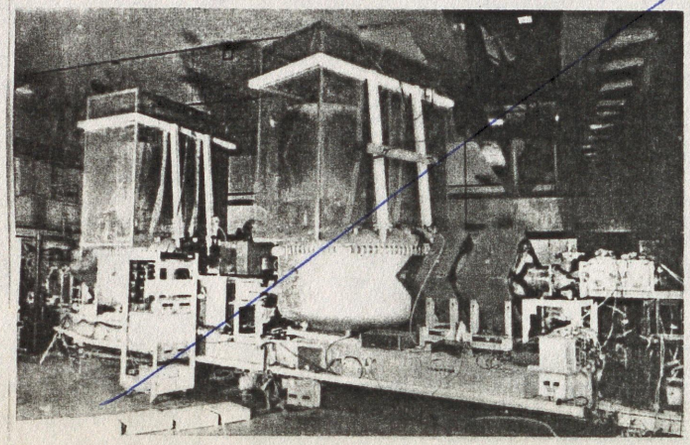


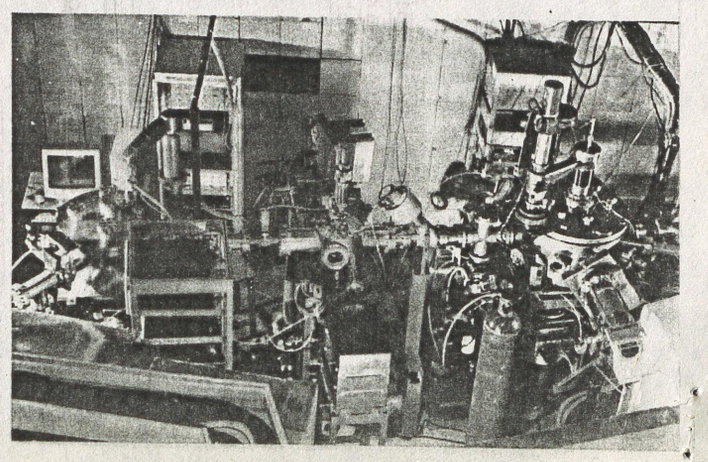












SSC general

Some additional members for SSC + TWGs (suggested by Madhu Sarin)

West Bengal

Mr. S. Palit, Tel: 4407179
Flat no. 4-D, Mandeville Apartment,
8/9, Mandeville Gardens,
Calcutta 700019. E-mail: spalit@cal.vsnl.net.in

Ms Mitali Chatterjee, Tel:033-743105
IBRAD, Fax:033-4666554
3A, Hindustan Road,
Gariahat, E-Mail: ibrad@giascl01.vsnl.net.in
CALCUTTA-700029.

Mr Narayan Banerjee, Tel:011-3345530
Deputy Director, 345541
CWDS, Res: 5575534
25, Bhai Vir Singh Marg Fax:011-3346044
(Near Gole Market), E-Mail:cwds@sscwds.ren.nic.in .
NEW DELHI-110001.
(He has been working with tribal women in Bankura dist. Of West Bengal for 20 years. Please ask him for the name & contact details of a representative of Nari Bikas Sangh, a federation of Mahila Samitis). He himself could be included in the livelihoods TWG.

Ms Sumita Ghatak, WBFS, Tel:(off)03221-55010
Asstt.Forest Officer, (res)03221-55490
West Midnapore Division,
P.O. Jhargram, Distt. Midnapore,
West Bengal-721507.

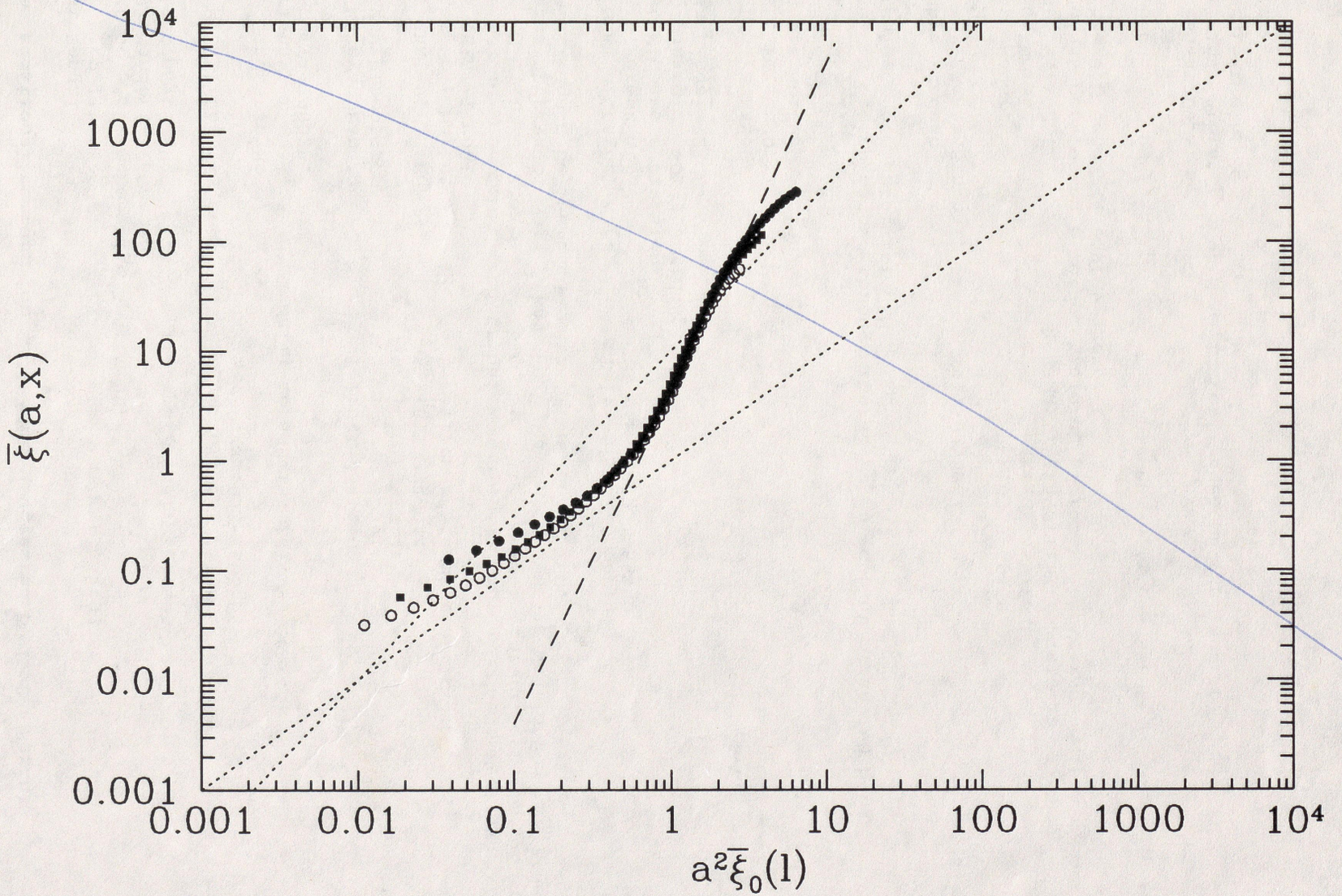
Ms Lipika Ray,
Asstt.Forest Officer,
Bankura North Division,
Bankura.
West Bengal.
(She can be approached through the WB FD on account of having been women's co-ordinator for JFM)

Madhya Pradesh

Dr (Ms) Rekha Singhal, Tel: 0755-573799
IIFM, 575716
Nehru Nagar, Res:0755-66478(?)
P.Box No.357, Fax: 0755-572878
BHOPAL-462003. E-Mail:rekha@iifmb.ren.nic.in
(She has been doing a lot of training of forest officers and is a member of the JFM gender & equity group)

Ms Ranu K. Bhogal, Tel: Res-cum-off: 0755-563854
C/O
Dr Ishwar Dass,
E- 1/154, Arera Colony, E-mail: tejiranu@bom6.vsnl.net.in
BHOPAL-462016.

Figure 4a


10^4
1000
100
10
1
0.1
0.01
0.001
$\bar{\xi}(a,x)$
0.001
0.01
0.1
1
10
100
1000
10^4
$a^2\bar{\xi}_0(l)$

Gujarat

Mr Barry Underwood/Ms Shilpa Vasavada
Chief Executive Officer,
AKRSP,
Choice Premises,
Swastik Cross Road,
Navrangpura,
AHMEDABAD-380009. E-mail: akrspi@icenet.net
Tel:079-6427729
6464730
Fax:079-6420864

Meena Bilgi,
Consultant,
(Gender/Community Development),
A-2/33, Goyal Intercity,
Opp. Doordarshan, Thaltej,
Ahmedabad-380054.
Tel:7416139
Fax:7411210
E-mail:bilgi@ad1.vsnl.net.in

Dr (Ms) Sara Ahmed,
IRMA,
Post Box No.60,
ANAND-388001 (GUJARAT) E-Mail: sara@fac.irm.ernet.in
Tel. Off:02692-40177
Res:02692-40188
Fax: 02692-41427

Mr Srinivas Mudrakartha,
Director,
VIKSAT,
Thaltej Tekra,
AHMEDABAD-380054. E-mail: viksat@ad1.vsnl.net.in
Tel:079-6426220
Fax:079-6420242

Ms Sushma Iyengar,
Kutch Mahila Vikas Sangathan,
11, Nutan Colony,
Bhuj-370001 (Gujarat)
(They have e-mail. Will require ringing them to get it)
Tel: 02832-22124/56281

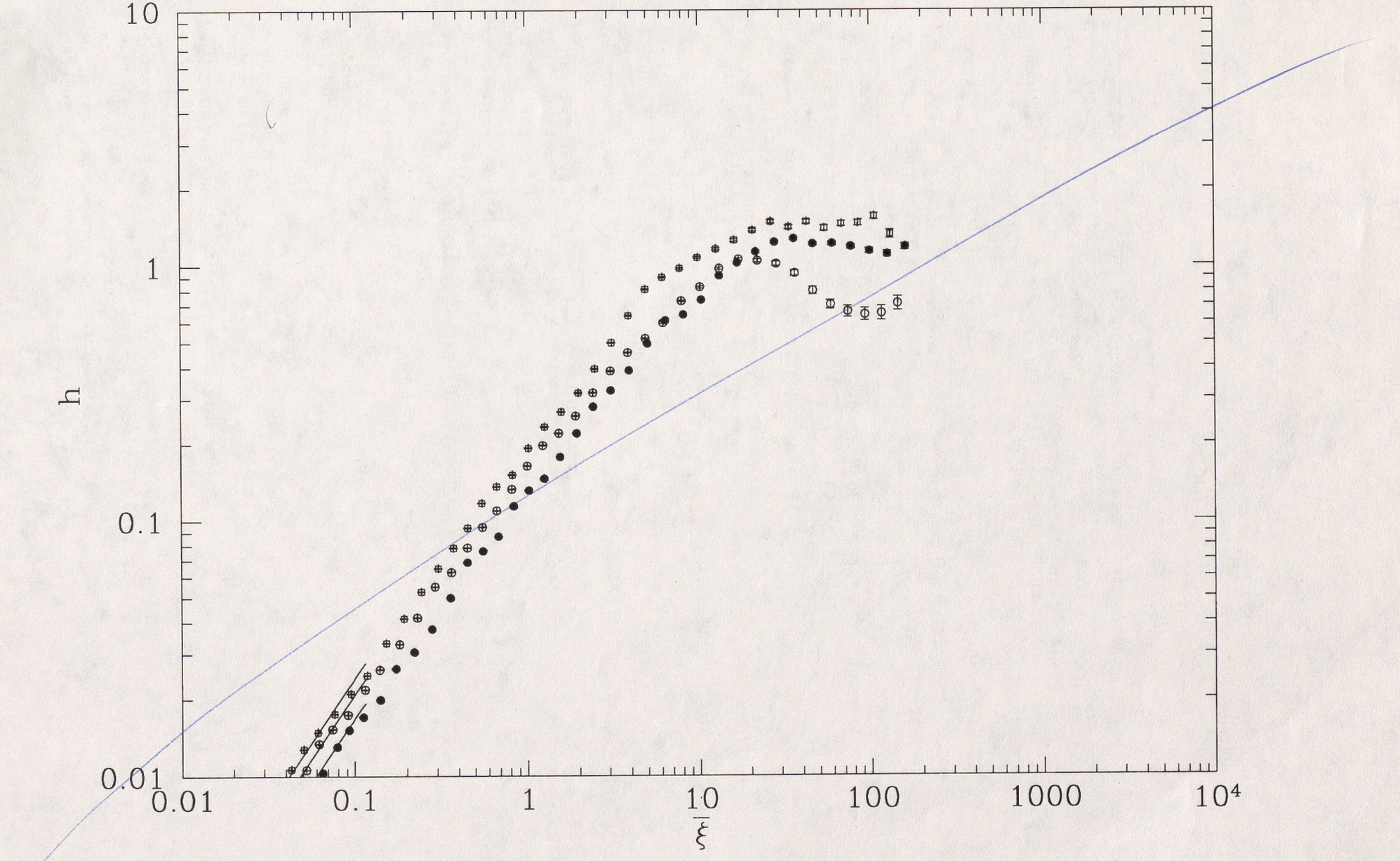
Mr Sandeep Virmani,
Jan Vikas Environment Cell (JVEC),
Bhuj (Gujarat).
(They work in co-ordination with Kutch Mahila Vikas Sangh)
Tel: 02832-51814

Ms Jahnvi Andharia,
ANANDI,
Opp. Bhoiwada Health Centre,
Near Halupiya Chowk,
Bhavnagar-364001 (Gujarat)
(Have recently done a study on gender & NRM for AKF)
Tel: 0278-511578
(Res)0278-511283

Orissa

Ms Neera M. Singh,
Vasundhara.
Pvt. Plot No. E/14,
Gajapatinagar, Near Press Chhak,
P.O. Sainik School,
BHUBANESWAR-751005. E-mail: vasundharanr@satyam.net.in
Tel:0674-440190
Fax:0674-509237/519237
Res: (Neera)0674-440721

Figure 3f



Jammu & Kashmir

Mineesh Gulati, Prog. Facilitator, Tel:01992-70474
Sampark Centre for Development 70373
Interaction, c/o Happy Model School,
Shivnagar,
UDHAMPUR-182101 (J&K)

Karnataka

Ms Indu K. Murthy, Tel: 3344411
Centre for Ecological Sciences, (Extn.2506)
Indian Institute of Science, Fax:080-3341683
BANGALORE-560012. E-Mail: indu@ces.iisc.ernet.in

Ms Jacintha S. Kumaraswamy, Tel: 080-6549781
No.10, "NAINA VILLA", 22nd Main,
Temple Street, J.P. Nagar,
5th Phase, Sarakki Extension,
BANGALORE-560078.

Ms Shyamala Hiremath, Tel:0836-347207
Project Co-ordinator, Res:0836-46363
India Development Service,
Sadhankeri Road, Fax: C/O DTO 748401
Near German Hospital,
Mohanteshnagar,
DHARWAD-580008 (Karnataka).

Bihar

Ms Emamy Murmu,
Pragatisheel Mahila Sabha,
Village Chitadih,
P.O. Bagnal,
Distt. Dumka (Santhal Parganas),(BIHAR).

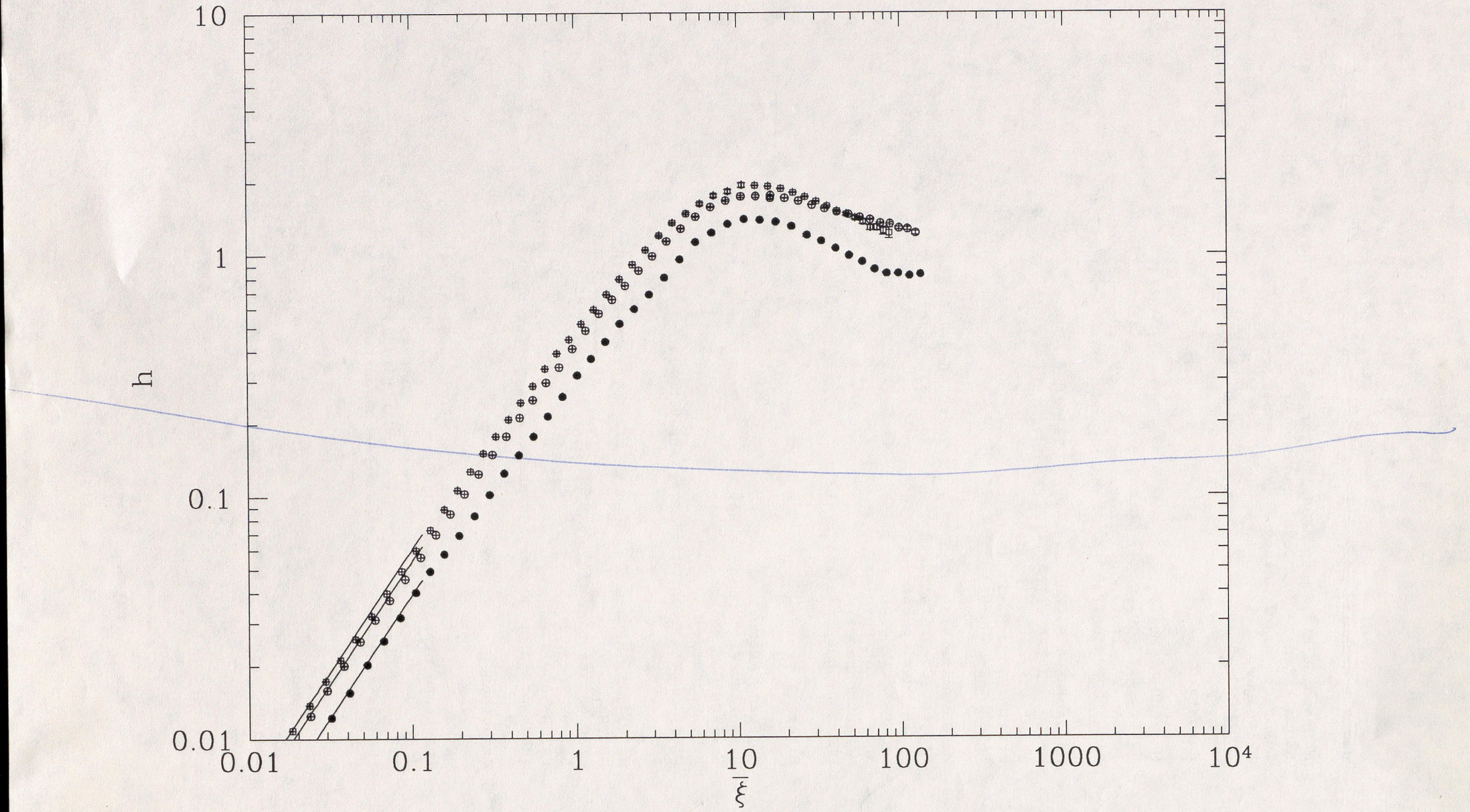
Ms Viji Srinivasan Tel:0612-284832
ADITHI, Fax:0612-283018
2/30, State Bank Colony II,
Bailey Road,
PATNA-800014.
(Has worked on gender & fisheries, also forests).

Rajasthan

Ms Kanchan Mathur, Tel: 0141-515348/515726
Institute of Development Studies, (Res): 384447/384448
8-B, Jhalana Institutional Area, Fax:0141-515348
JAIPUR-302004. E-Mail: ids@jp1.vsnl.net.in
(She is a gender trainer and has conducted several programmes on gender & forestry)

Ms Neelima Khetan
Seva Mandir, Tel:0294-560047
Old Fatehpura, 560951
UDAIPUR-313001. E-mail: smandir@bom4.vsnl.net.in

Figure 3e



For Rajasthan, someone should try and get the address of Om & Gini Srivastava of Astha based in Udaipur. They work with adivasis and organised them to take the lease for Tendu collection.

Uttar Pradesh

Dr Gopa Pandey, IFS, Fax:0135-757314
Professor, Tel:Off:0135-754697/757316
I.G. National Forest Academy, Extn. 205
P.O. New Forest, Res:0135-683076, 757316
DEHRADUN-248006 (U.P.). (Extn. 501)

Ms Geeta Gairola
72 Vijay Park Extn.,
Lane No.11,
Near Balli wala chowk,
DEHRADUN (U.P.)

Maharashtra

Dr (Ms) Chhaya Datar, Tel: 022-5563290
Head, Women's Studies Unit, Fax: 022-5562912
Tata Institute of Social Sciences,
PO Box 8313, Deonar,
Mumbai-400088 E-mail: TISSBOM@REN.NIC.IN

Thematic Working Groups

Livelihoods

Vasudha Pangare, Tel:011-6865036
Oikos, E-mail: pangare@vsnl.com
Centre for Natural Resources Management,
M-60, First Floor, Saket,
New Delhi-110017
(Has studied gender and watershed dev.)

Ms Sumi Krishna, Tel:7022916
C-4, Neelambar Apartments,
Opp. Sainik Vihar,
Delhi-110034.
(She co-ordinated the study on Gender & Biodiversity for MSSRF)

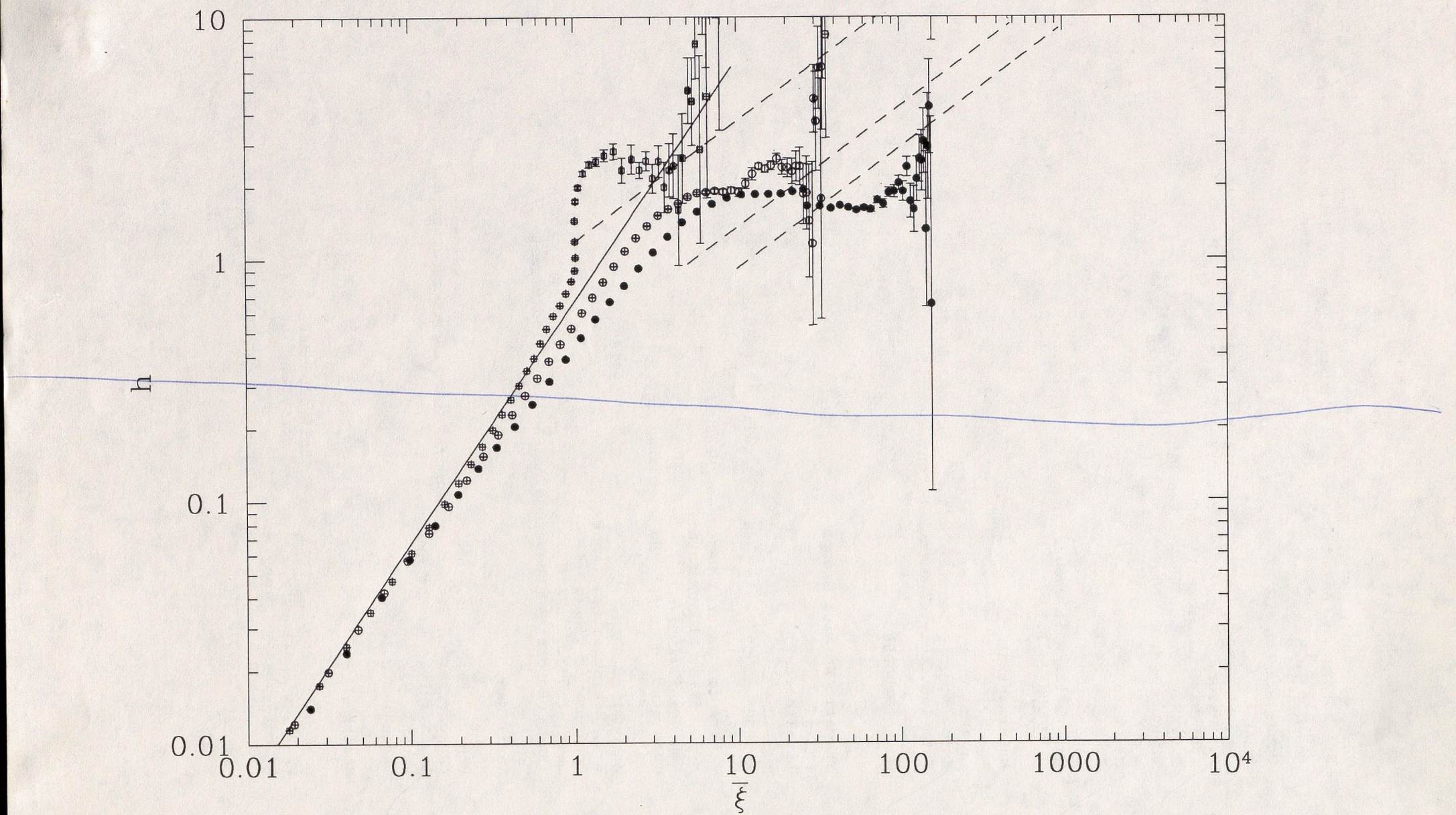
Tamil Nadu

Ranjani K. Murthy, Tel: 4915429
(Researcher on gender & poverty), E-mail:rk_m@satyam.net.in
16, Srinivasamurthi Avenue,
Adyar,
Chennai-600020

Health

Ms Renu Khanna, Tel: 0265-340223 (res-cum-off)
1, Tejas Apartments, Fax: 0265-330430 (Acct.no. 88)
53 Hari Bhakti Colony,
Old Padra Road, E-mail: chinu@wilnetonline.net
Vadodara-390015

Figure 3dtest



SSC general

Suggestions from Utkarsh

For Bihar SSC

- D.S. Shrivastava
  Daltanganj
  Bihar

(coord.?)

or for Central Highlands + Chhota Nagpur
(D.S. Shrivastava could also suggest other names)

For Gujarat SSC

- Twisha Pandya
  M.S. University
  Baroda

could do a study on shukpareshwar area

For Himachal SSC

- S.K. Vats instead of Ahuja

  Reasons — S.K. Vats is a scientist; Ahuja being the director of IHBT may not have the time

For Kinnaur LAC

- H.R. Negi, IHBT (works under Ahuja

Regarding MP SSC

- We have Rekha Singhal, IIFM on our list. Utkarsh does not know her. He knows P.C. Kotwal of the same institute. We may want to consider him for SSC / for Bilaspur / or he could suggest names for Bilaspur.

For Manipur SSC

- Asha Gupta (she has worked on sacred groves)

For West Bengal SSC (or for a local study)

- Shilanjan Bhattacharya

To be Financed by a Mix of Equity & Debt

Funding Pattern (Rs. Mn)	
Private equity placement (incl. Promoters)	765
Public Issue And Internal Accruals	995
Debt (incl. FIs, banks and debentures)	1000
Private placement of debentures	300
Total funding	**3060**

- The company has already received
  - Rs765 mn via the private equity placement route
  - Rs 310 mn from IDBI against a total sanction of Rs 500 mn
  - In-principle sanction of Rs250mn each from SBI and EXIM

Sent by Madhu

SSC general

FN: NBSAP/Additional SSC-TWG contacts

SSCs

Bihar
Ms Purbi Chowdhry,
Shramjeevi Mahila Samiti,
C/O
Shramjeevi Unnayan,
(Please copy address of Pranab Chowdhry
from Bihar SSC list)

Jamshedpur office tel.no: 0657-464630

H.P.
Present e-mail address of Rajeev Ahal
Rahal@gtzindia.com

Ms Durga Thapa, Tel: (PP) 01795-58516
SUTRA,
P.O. Ramshahar,
Tehsil Nalagarh,
Dist. Solan 174102
H.P.

M.P.
Kalawati/M.A. Iqbal, Journalist, Tel: 07782-61204
Asna Village,
Jagdalpur,
Dist. Bastar (M.P.)

Ms Ilina Sen, Tel: 0771-422875 (R)
A-26, Housing Board Complex, 424669 (O)
Katora Talab Road,
Raipur-492001 (M.P.)

Tamil Nadu

Sebastian Mathew/Chandrika Sharma,
International Collective in Support of Fishworkers
27 College Road
Chennai
Tamil Nadu
INDIA 600 006
tel: 91 44 8275303
fax: 91 44 8254457
email: icsf@vsnl.com

scientists and SOC members would be considered as possible chairs.

2. I had not intended to exclude everyone from Pune; my intention was to exclude only the IUCCA people as potential PS. I am happy to correct my statement.

3. I stated the PEP as a hard, firm "rule"; I personally dislike hard, firm rules and I am not happy with the manner I stated it. It was done without enough thought. I would prefer that my contested remarks be changed to the following;

"For the sake of propriety, as a general rule, (i) we will avoid choosing a PS from the local hosts IUCCA and (ii) we will avoid having a member of the SOC as a PS. However, I would like to reserve the possibility of violating this "rule" when there is a good reason. This rule does not apply to the WC."

From the vehemence of your letter, I am not at all sure that I have convinced you of anything. I do, however, hope that I have made my position on this issue clear to you. If you were content with it, I would send out the above (corrected) remark to the SOC. If however you still wanted it, I will send out your letter with my reply to the SOC, for a vote.

Please do understand that as strongly as you believe in your position, I also believe in mine. I, unfortunately, have seen too many unpleasant and contentious situations in this regard to be able to completely ignore the issue.

with my best wishes, Ted N

***

The following are my notes preceding my discussions with Jayant. Unfortunately I do not remember if I took notes of the meeting and have misplaced them or whether I just committed the discussion to my memory. I think it was the former but.....

Monday, April 01, 1996

Questions and Issues for discussion with Jayant Narlikar

1. Workshops / Contributed papers

a. Who will organize the amount of time for the various workshops?
Probably me and SOC!!

b. Who will organize the specific times?
Probably the local committee!

c. Who will watch over the issue of no-overlap of related workshops?
Probably joint responsibility! We will make the suggestions.

d. When can we get this done?

e. How far apart are the workshop rooms? Very important - especially for related workshops.

2. Plenary Issues

a. Who will be sending out the official invitations?
Do I test the waters and Pune makes it official? OK with me. That was what was done in Cordoba. Florence?????

3. Let's choose a 4th Indian rep. on the SOC. Vishu?? Sam??

4. English Is the official language. I don't think this is an issue.

5. After dinner speaker? Can we get very good room acoustics for the speaker????
If not, people want to cancel the dinner speaker.

Where?

Please change Alleyamma Vijayan's e-mail address to:
sakhi@md2.vsnl.net.in

Goa
Ms Mariette Correa,

mariettecorrea@hotmail.com.

Kerala

Nalini Nayak,
Sadanand,
Choola Lane,
Anayara,
Trivandrum - 695029
E-mail: sakhi@md2.vsnl.net.in.
Tel:(Res): 0471-553675.
(Off): 0471-470167

West Bengal

Ms Malati Mandi,
C/o CWDS Office
P.O. & Vill. JHILIMILI (No telephone)
Dist. Bankura,
West Bengal-722135

Thematic Working Groups

Livelihoods group

Manju Raju,
D-471, Jalavayu Vihar,
Kamanahalli Main Road,
Bangalore.
Tel:080-5441885
(Please note correct telephone no.)

Nafisa Barot,
UTTHAN,
36, Chitrakut Twins,
Near Management Enclave,
Vastrapur,
Ahmedabad-380015.
Tel:079-6763624
6751023
Res:079-6742559/6752341
Fax:079-675447
E-mail: utthan@icenet.net

Culture & Biodiversity

Dr Shekhar Pathak's tel. No.(Residence): 05942-36191

From newman+@pitt.edu Thu Aug 29 20:14:36 1996
From: Ezra T Newman <newman+@pitt.edu>
To: "T.Padmanabhan" <paddy@iucaa.ernet.in>
Subject: Re: clarifications
Date: Thu, 29 Aug 1996 10:34:00 -0400 (EDT)

Aug. 28, 96

Dear Paddy,

Thank you for your passionate reply to my last SOC letter. It is nice to see someone taking their SOC duties so seriously. Let me try to reply to your letter.

I was (perhaps) slightly thoughtless in my phrasing and lack of a complete explanation for my two contested remarks:

"(i) It has been agreed that for the sake of propriety we will not have any PS

from Pune and (ii) we will try hard to avoid having any member of the SOC

as a PS but I would like to reserve the possibility of violating this "rule".

Let me try to explain:

On virtually all the committees I have served on in the past, (that I am aware of) the above procedures were explicit or tacitly in operation. In the few cases I know, they were violated at the last minute for "good" reason. The main reason for these "rules", I thought would be clear to all; namely to prevent any appearance of an impropriety on any ones part - with no implication that there was or is or will be an impropriety. Most of the people I have talked to have agreed with me on this. Many years ago at the GR meeting in London, (GR-?) hosted by Kings College, London under the organization of Hermann Bondi (President of the GR Society), I was on both the local committee and scientific committee. At our first meeting to discuss PS, Bondi told us that there would be no PS from ANY place in London nor from any of the scientific committee members. We all immediately understood his reason and there was not even a discussion of it. The people we excluded were among many others, Bondi himself, Roger Penrose, Felix Pirani, Bob Geroch, Bonnor, myself and yet we had no trouble putting together a conference with excellent people of "merit". Penrose, Bondi and I spoke at workshop sessions.

For this reason, when Jayant Narlikar visited me this past spring, I told him my plans concerning (what you call) the PEP. There was no objection at all from Jayant. (At the end of this letter I will include the notes I had prepared for myself, before Jayant's visit, concerning some issues for our discussion.)

On the question of SOC speakers the problem is still the same, i.e., the potential appearance of improprieties. I am aware that some do not think that this is a problem; many others certainly do consider it a problem. I do.

(As an aside, I want to mention that what is meant by choosing speakers on only "academic merit" is for you, apparently, clear, but for me it is very far from obvious. My choice of a speaker on "academic merit" might well be a crackpot for you or your choice could be the crackpot for me. It is however clear that our choices of speakers must be made mainly on some sort of general consensus of merit - but there is no way of ordering those with the "most merit" and those with the second amount of "merit", etc.)

There are three items for clarification:

1. I did not intend nor did I say that these remarks applied to the workshop chairs. They do not; I would expect that local Pune

SSC General

ashish kothari

From: Madhu Sarin <msarin@ch1.dot.net.in>
To: C. Renuka <biotech@giasdl01.vsnl.net.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; Ashish Kothari <ashish@giasdl01.vsnl.net.in>
Subject: Fw: Mariette Correa's address.
Date: Tuesday, April 25, 2000 10:21 AM

I have received Mariette Correa's address from a friend of hers which is given below. I think I had sent her telephone number earlier. Please add this to the Goa SSC list.

Mariette's postal address is:

Mariette Correa
Muddo,
Carona, Aldona, Bardez-Goa.

I also met Virinder Sharma at a meeting in Shimla yesterday and he agreed that the following should be added to the HP SSC: Mrs Krishna Kanwar, Mahila Evam Bal Vikas Samiti, Nerua, Tehsil Chopal, Dist Shimla, H.P. Tel: 01783-64471 For the health TWG, the following should be added: Dr Manju Ahal, 'Kutumb', Tika Ayama, Palampur, Dist Kangra, H.P. 176061 Tel: 01894-30813 I know we had decided not to send any more addresses but I believe both these women are good and both the groups could do with an improved gender balance. Also, the date of the Punjab NGOs meeting has been changed so neither Virinder nor Bansuri need worry about it for the moment. I have already told Virinder about it. Madhu

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>>< CDirQnNGo.1.ttf >>

INDIAN NATIONAL SCIENCE ACADEMY
Bahadur Shah Zafar Marg, New Delhi-110 002.

GENERAL TERMS AND CONDITIONS FOR PROVIDING GRANTS TO SCIENTISTS DEPUTED ABROAD FOR ATTENDING INTERNATIONAL CONFERENCE.

1. INSA may contribute for one of the following categories:

   (a) To a maximum of Rs.15,000/- or the difference between actual admissible expenditure and the receipts from other sources whichever is less.

   (b) To a maximum of 50% air fare plus 50% perdiem plus 100% registration fee or the difference between actual admissible expenditure and the receipts from other sources whichever is less.

   (c) To a maximum of 100% perdiem plus 100% registration fee or the difference between actual admissible expenditure and the receipts from other sources whichever is less.

   (d) To a maximum of 100% air fare plus 100% registration fee or the difference between actual admissible expenditure and the receipts from other sources whichever is less.

   (The deputation letter specifies the acutal grant sanctioned).

2. Actual grant will be released by INSA after going through the accounts submitted in the prescribed proforma and the relevant vouchers such as counterfoil of the airticket, hotel vouchers for accommodation, registration fee receipts and copies of letters of grants received from other sources.

3. The expenditure on full perdiem will be calculated @ US $ 120 for all the Countries. These rates of perdiem are subject to production of hotel vouchers and will be calculated as per clause (4) below. In cases, where the deputed scientist stays in a hotel where the rates of hotel accommodation are less than 60% of the perdiem, actual rates of room rent will be taken into account for calculating the admissible expenditure.

4. Out of sanctioned perdiem 40% will be cash allowance for meals, local conveyance and other allied expenditure. The rest 60% will be for accommodation and will be calculated

SSC General

ashish kothari

From: ashish kothari <ashish@nda.vsnl.net.in>
To: BCIL <bcil@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: Fw: Addresses
Date: Friday, April 21, 2000 3:48 PM

Anil,

Please see below several addresses from Satheesh, for the SSC lists.
Ashish
Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411 004, India

Ph. and fax: ++91-20-565 4239
Email: ashish@nda.vsnl.net.in

> From: dds <ddshyd@hd1.vsnl.net.in>
> To: ashish <ashish@giasdl01.vsnl.net.in>
> Subject: Addresses
> Date: Tuesday, April 11, 2000 12:14 PM
>
> Dear Ashish Kothari,
>
> I giving out the addresses of the persons you have asked for
>
> 1. Yogesh Gokhale, Centre for Ecological Sciences, Indian Institute of Science,
> Bangalore - 560 012. Phone: 080 - 3340985, 3092506, 3092507. Fax: 080 -
> 3315428, 3341683.
>
> 2. Tasqueen Machilivala
> Action Aid,
> No.3, Rest House Road,
> Bangalore - 560 001.
> Phone: 080 - 5586682, 5586583
> Fax: 5586284
> email: pau@actionaidindia.org
>
> 3. Mr. Dilip Chinakonda,
> Agriculture Man Ecology (AME),
> P.O.Box 7836, 368, 4th Cross,
> III Phase, J.P. Nagar,
> Bangalore - 560 078.
> Phone: 080 - 6582303, 6582835
> Fax: 080 - 6583471.
> email: amebang@giasbg01.vsnl.net.in
>
> 4. Dr. Venkat,
> Pemacultue Association,

Incorrect add.

Ashish Kothari

Ashish Kothari drew attention to a Paper entitled **"Can Communities Conserve Biodiversity"** that had been circulated by him. In this Paper a list of 18 case studies from different parts of the country had been summarised. After touching upon these briefly he suggested that the following typologies could be adopted while documenting good practices:

i. The kind of natural resource that is being conserved/sustainbly used.
ii. The source of initiation: whether community NGO or donor initiated.
iii. The institutional structure adopted: traditional or innovative.

Ashish Kothari then outlined the following five issues as focus areas

i. livelihood issues and conservation of resources have to be seen integrally.
ii. economic incentives for community management are not enough: political and emotional issues play an equally important role.
iii. the legal system must have inbuilt flexibility to accommodate defacto authority arising out of customary laws and traditional practices.
iv. internal inaquities within communities must also be taken careful note of.
v. the role of the State needs to be carefully re-evaluated and the appropriate balance between community and state be evolved in a creative manner.

Ashish Kothari went on to suggest a tentative agenda for the future:

i. much more learning needs to be done.
ii. much more fecilitation of people to people exchange; communities must talk to each other.
iii. implementation of new legal provisions under the Panchayati Raj System needs to be understood, for instance the extension of Panchayati Raj Act to tribal areas and their effect on natural resources management.

Dr Irshad Khan

Dr. Khan said that the World Bank has been providing financial assistance to State Governments particularly for protected areas. He said however, that there was a sad history of degradation of natural resources in which the state had played a very negative role. Forestry practices have led to the plundering of the natural resources. He said that a new history has been initiated with the joint forest management approach in which communities were participating in natural resource management. For instance Madhya Pradesh had taken up 12000 villages, Andhra Pradesh 8000 and similar initiatives have been taken, in other states. The World Bank was providing financial support for a certain proportion of such project. Some disturbing results were also becoming visible. Inter-village conflicts were becoming evident. Up to a point these are inevitable. But the target orientation of these programmes has made these worse. Specially as there are no institutional mechanisms in place to resolve these conflicts. The legal framework as well as the policy design was proving inadequate.

Nevertheless the positive part is that the role of the community in natural resource management has now been realized and is firmly established. People's empowerment is vital to this process. It also requires a holistic and integrated approach to management.

> #68, Seshachala Colony,
> West Marredpalli,
> Secunderabad - 500 026.
> Phone: 040 - 77117531 (O) & 7733165 (R)
>
> 5. Dr. Sagari Ramdas,
> Director,
> ANTHRA,
> B 224, Sainikpuri,
> Secunderabad - 500 094.
> Phone: 040 - 7112826, 7113167.
> Fax: 040 - 7113167.
> Email: anthra@hd2.vsnl.net.in
>

6. V.S.Ramamurthy
Department of Zoology
Sri Venkateshwara University
Tirupathi
Tel : 08574 - 421277 (O) 08574 - 28907 (R)
Fax : 08574 - 29111

7. Dr.Venkat
General Secretary
Permaculture Association
68, Seshachala Colony
West Marredpally,
Secunderabad - 500 026.
Tel : 040 - 7717531 (O) 040- 7733165 (R)

8. Sudha Goparaju
Intercooperation
H.No.1-8-677/12,
Nallakunta
Hyderabad - 500 044.
Tel : 040 - 7606489 Fax : 040 - 7606818

9. Pandurang Tetali
28/385, Lokmanya Nagar
Off Lalbahadur Shastri Road
Pune - 411 030. Maharashtra.

10. Bernard De Clercq
Aurobrindavan
Auroville
Tamilnadu - 605 101.
Telefax : 0413 - 72332

11. Nammalvar
Co-ordinator
ARISE
203, Mettu Salai,
Erode - 11.
Phone : 04362 - 37259

Giridhar/Satheesh

Dr. Kasturi Mukhopadhyay
WWF
New Delhi

Ms. Seema Bhatt
Independent Consultant
New Delhi

Mr. Sushil Saigal
ECOTECH Consultants
New Delhi

Mr. Irshad Khan
World Bank
New Delhi

Mr. Mandip Singh Soin
IBEX Expeditions
New Delhi

Ms Bansuri Taneja (observer)
Kalpvriksh
New Delhi

Dr. Javed Ahmed
Sustainable Use Programme
South and S.East Asia Region
Islamabad

Mr. Ashis Banerjee
Indian National Trust for Art and Cultural Heritage
New Delhi

Ms. Ritu Singh
Indian National Trust for Art and Cultural Heritage
New Delhi

Ms. Vashudha Pande (observer)
Lecturer, Lady Sri Ram College
New Delhi

Mr. Himanshu Grover (rapporteur)
Indian National Trust for Art and Cultural Heritage
New Delhi

SSC General Addresses

ashish kothari

From: Dr. Ravi Chellam <ravic@wii.gov.in>
To: BCIL <bcil@giasdl01.vsnl.net.in>
Cc: ashish kothari <ashish@giasdl01.vsnl.net.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: More Addresses
Date: Friday, April 07, 2000 6:09 PM

Dr Goutam Narayan, Pigmy Hog Conservation Programme, Near Office of DFO Social Forestry, Indira Nagar, Basistha, Guwahati 781 029 Assam. TEL (O) 0361 301515 & 301516 email <pigmyhog@hotmail.com>

Dr Yash Veer Bhatnagar <yash@wii.gov.in>
Bivash Pandav <pandavb@wii.gov.in>
Aparajita Datta <loony10@hotmail.com>
Dr Jamal Khan <wsi@nde.vsnl.net.in>

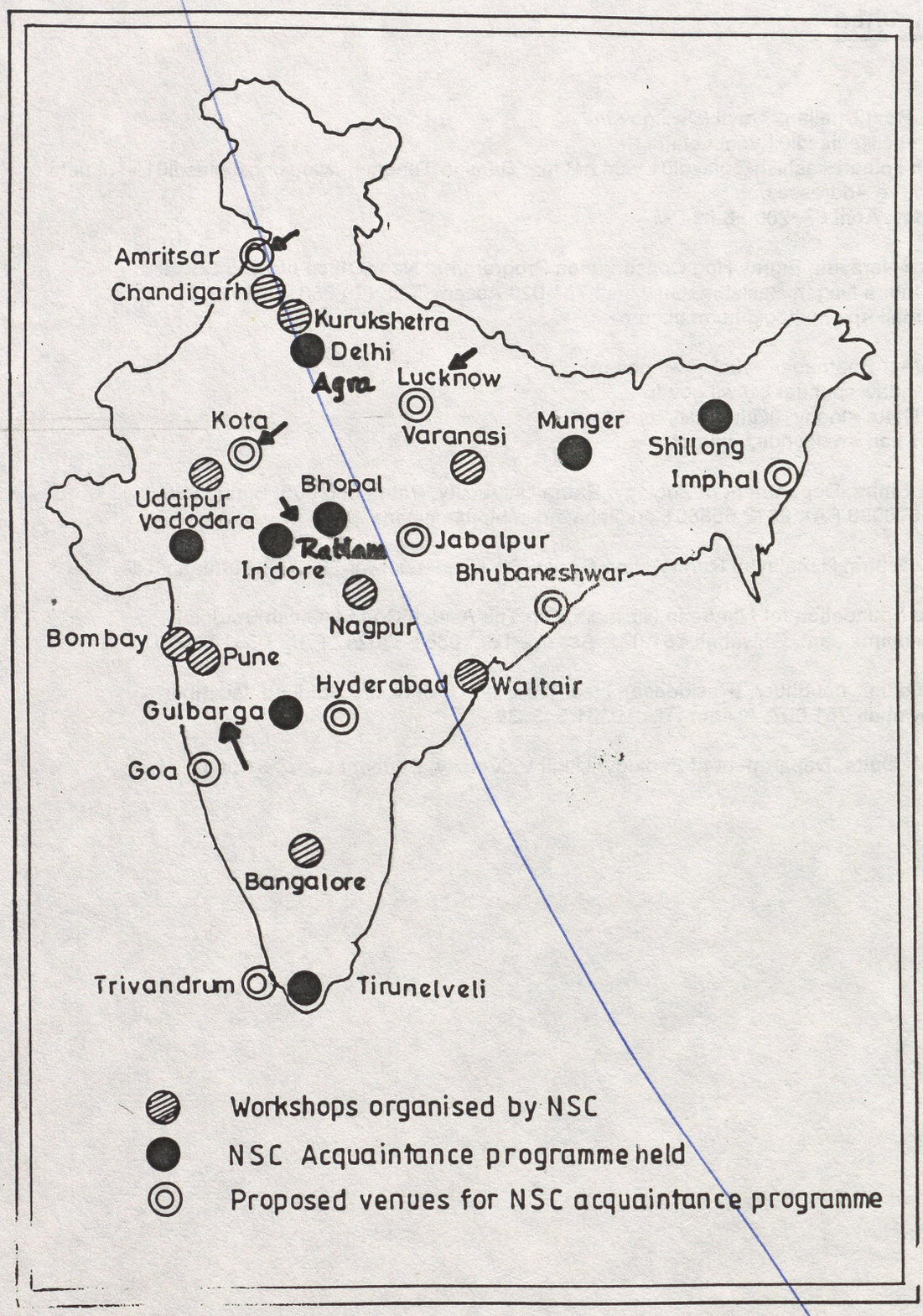
Prof. R.K. Sinha, Department of Zoology, Patna University, Patna 800 005, Bihar. TEL (O) 0612 670086 FAX 0612 658801 <rksinha@rkseblp.bih.nic.in>

CHIRAG, Central Himalayan Rural Action Group, Sitla, Mukteshwar 263 138, Kumaon, UP

The Rhino Foundation for Nature in NE India, C/o The Assam Co Ltd, Girish Bordoloi Path, Bamunimaidam, Guwahati 781 021, Assam. TEL: 0361 550257 FAX: 0361 550902

Dr Anwaruddin Choudhury, (Residence), Near Gate No. 1, of Nehru Stadium, Islampur Road, Guwahati 781 007, Assam. TEL: 0361 543339

Dr Sushil K Dutta, Department of Zoology, Utkal University, Bhubaneswar 751 004 Orissa.


Amritsar
Chandigarh
Kurukshetra
Delhi
Agra
Lucknow
Varanasi
Munger
Shillong
Imphal
Kota
Udaipur
Vadodara
Bhopal
Ratlam
Indore
Jabalpur
Bhubaneshwar
Nagpur
Bombay
Pune
Hyderabad
Waltair
Gulbarga
Goa
Bangalore
Trivandrum
Tirunelveli
Workshops organised by NSC
NSC Acquaintance programme held
Proposed venues for NSC acquaintance programme

ashish kothari

From: The Other Media <admin@del3.vsnl.net.in>
To: Ashish Kothari <ashish@giasdl01.vsnl.net.in>
Subject: for Ashish
Date: Friday, April 07, 2000 8:46 PM

April 7, 2000

Dear Ashish,

Thanks for the mail. The CBD was a good experience but I am affraid I will not be able to share much since it was very technical and the procedure was very complicated. One needs to be really prepared to attend such conferences which I did not as there was no time for me. I will be attending the sixth TPGC meeting on 10th and 11th. I am giving more suggestions for the state steering committee and TWG below :

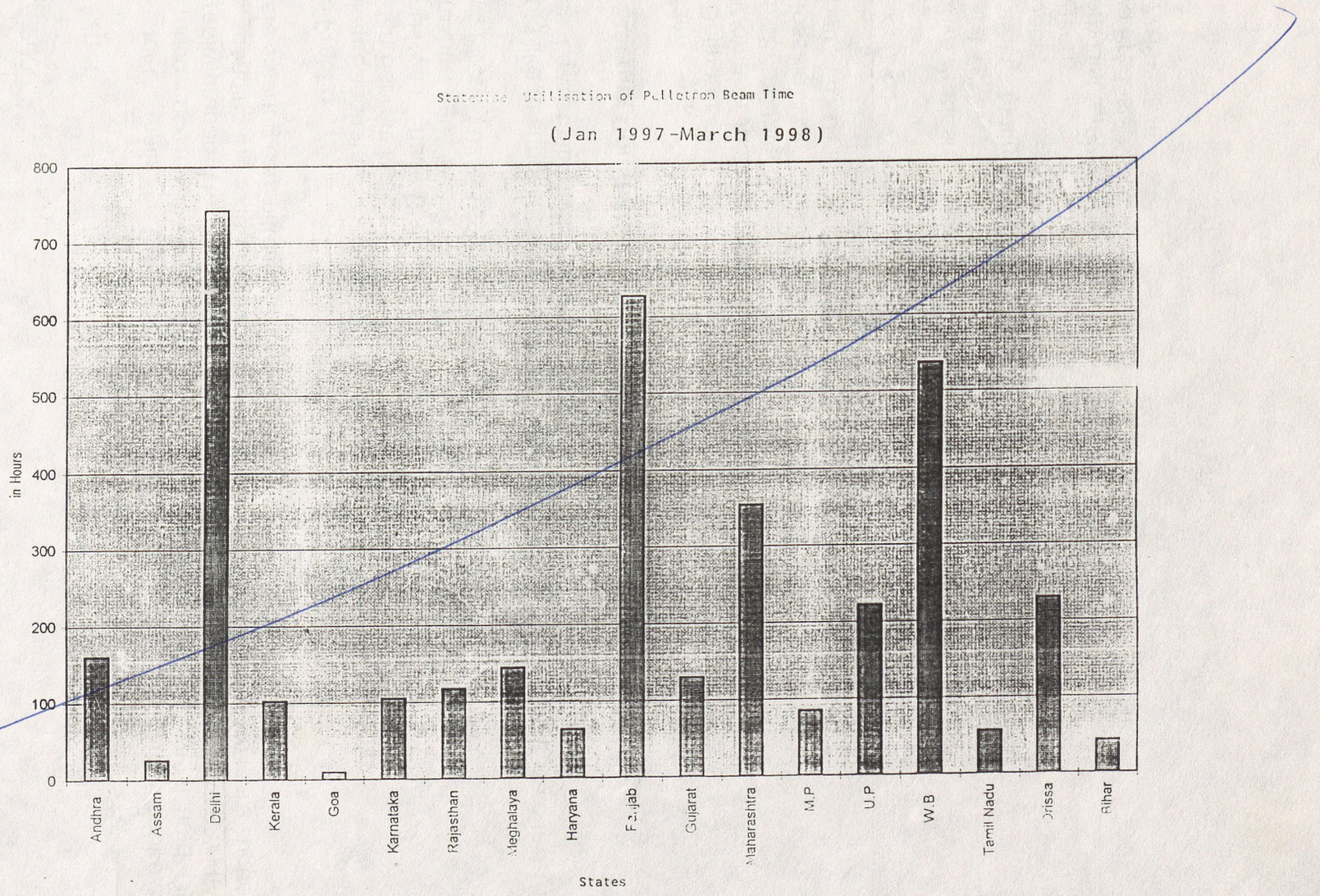
Pradip Prabhu,
Kastakari Sanghatna,
3 Yezdeh Behram Malyam,
Dahanu Road, Thane Dist.,
Maharashtra - 401 602
Contact Phone : 02528-22760 (Res)

* I would like to suggest his name be included for both the national and state level TWG on Policies, Laws, Institutions and Planning.

State Steering Committee

1. Assam :
Anjali Daimari
Bodo Women's Justice Forum
Qt. No. 187-A, Jaya Nagar,
East Gossala, Mali Gaon
Guwahati - 781 011
Assam
Tele/fax : 0361-572193

2. Madhya Pradesh:
Fr. Agapit Tirkey
Jeevan Vikas Maitri
Asha Deep,
Pathalgaon
Raigharh Dist.‑496 118
Madhya Pradesh
Tel : 07765-33876


Statewise Utilisation of Pelletron Beam Time
(Jan 1997-March 1998)
800
700
600
500
400
300
200
100
0
in Hours
Andhra
Assam
Delhi
Kerala
Goa
Karnataka
Rajasthan
Meghalaya
Haryana
Punjab
Gujarat
Maharashtra
M.P
U.P
W.B
Tamil Nadu
Orissa
Bihar
States

Fax : 07765-33875

3. Gujarat:
Dr. Siddaraj Solanki,
C/o Tribal Research Institute,
Gujarat Vidhyapit,
Ahmedabad - 380 014
Tel : 079-446349/481547
Email : <disha@ad1.vsnl.net.in

4. Andhra Pradesh:
Dr.B. Janardhan Rao
Adivasi Saughabhave Committee
2-5-230 Nakkalgutta
Hanamkonda
Warangal‑506001
Andhra Pradesh
08712-78458 (Res)
Email : <Biyyalajanardhanrao@usa.net

5. Bihar:
Ms. Jyotsana Tirkey
Women's Coordinator
Johar
Gaditola (Umbool)
P O No: 3, Chaibasa
Dist. Singbhoom West
Jharkhand‑833 201
Bihar
Tel : 06582-52416 (o)
Fax : -6582-52013/52159

6. Kerala:
C.K.Janu
Adivasi Vikasana Pravarthaka Samithy
Netamani House,
Thrissilenm P.O.
Tirunelli,
Mananthawady,
Wayanad District,
Kerala - 670 646

7. Arunachal Pradesh:
Ms. Jarjum Ete
Women's Welfare Society,
Bank Tinali

Discussion Meeting
on
High Redshift Universe
(February 23 - 28, 1997)
(Venue : Orange County, Coorg)

Sr.No	Name of the Speaker	Title of the Talk
1.	T. Padmanabhan	1. High Redshift Universe: An Overview 2. Hydro simulations of the High Redshift Universe
2.	Somak Raychaudhury	Galaxy and Cluster Surveys in different wavebands
3.	K.S. Dwarkanath	1. Butcher-Oemler Effect; 2. Neutral hydrogen observations in clusters of galaxies - implications of recent results
4.	Gopalkrishna	1&2. Active Galactic Nuclei and Quasars
5.	Vijay Kapahi	High Redshift Galaxies
6.	K.R. Anantharamaiah	Starburst Galaxies - An overview of activity in their nucelar regions
7.	K.P. Singh	Xray properties of clusters of galaxies
8.	R. Srianand	1&2. Quasar Absorption Systems
9.	Rakesh Mallik	Protoclusters and neutral hydrogen at high redshifts
10.	Biman Nath	Analytic models of Lyman Alpha absorption systems and comparison with observations
11.	Ravi Subrahmanyam	1 &2. Background radiation in the universe
12.	Shiv Sethi	Intergalactic Medium
13.	Jayaram Chengalur	Gas at High Redshift: The Observational Story
14.	Govind Swarup	Possibilities with GMRT in probing high redshift universe
15.	D. Narasimha	Gravitational lensing

Prajval
Arti
Cowsik

Eastern Press House
Itanagar - 791 111
Arunachal Pradesh

8. Mizoram:
Ms. Veronica Zatluangi
President
Mizoram Hmeithai Association
Zatluangi, 10/A, Upper Republic
Aizwal- 796001

9. Ms. Mui Lalnipuii
President, Chhee Insuihkhuawn Paul
Treasury Square, MJA Building
Aizawl- 796001
Mizoram.

10. Manipur:

Ms. Ning Ngaihlian
Zomi Mothers' Association
C/0 H. Khuppu
Upper Lamka, Mualveng
Churanchandpur- 795128
Manipur

* Zomi constitute different small ethnic groups but they are concentrated in one dist. (Churachandpur) so they can also come in at the districts level if not at the State level.

11. Dr. (Ms) Gina Shangkham
Naga Women's Union Manipur
C/o Copycat
Chingmeirong
P.O. Lamlong
Imphal- 795010
Tel/fax: 0385-240096 (PP)
TEl: 0385-241056 (PP)

* She can replace Kho John (ANSAM) if both cannot be accomodated.

12. Mr. Francis Kapai
Join Director, ICAR
Lamphelpat, Imphal- 795004

12. Karnataka:
J.P. Raju
Budakattu Krishikara Sangha

First Orange County Meeting

Suggested reading for 'Radio Galaxies & Quasars' talks :

Barthel & Arnaud (1997), MNRAS (Letters) in press

Baum, Zirbel & O'Dea (1995), ApJ (Oct., 1).

Best et al, (1996), MNRAS, 280, L9.

Carilli & Barthel (1996), A&AR, 7, 1.

Colina & de Juan (1995), ApJ,. 448, 548.

Falcke, Gopal-Krishna & Biermann (1995), A&A, 298, 395.

Gopal-Krishna (1995), Proc. Nat. Acad. Sci., 92, 11399.

Gopal-Krishna & Wiita (1996), ApJ, 461, 191.

Gopal-Krishna, Kulkarni & Wiita (1996), ApJ (Letters), 463, L1.

Gopal-Krishna, Wiita & Hooda (1997), A&A (Letters), 316, L13.

Garrington, & Conway (1991), MNRAS, 250, 198.

McCarthy (1993), ARA&A, 31, 639.

McCarthy, van Breugel & Kapahi (1991), ApJ, 371, 478.

Owen & Ledow (1994), PASP Conf. Ser., 54, 319

Scheuer (1995), MNRAS, 277, 331.

Urry & Padovani (1995), PASP, 107, 803.

Zirbel (1996), ApJ (Dec, 20)

Gopalkrishna

High Redshift

P.O. Rangasamudra,
Taluka Somvarpetta
Dis. Coorg
Karnataka- 571234

13. Tamil Nadu:
Ms. Leelavathy
Adivasi Thannatchikana Tamizhaga Munnani
V.S.R. Puram Post
Pannaikadu, Kodaikanal Talkuk
Tamil Nadu- 624210

* Apart from Bijoy, she may be added if necessary.

I may add more which I think I will do it in our next meeting (on Moday) as I have other engagement on 8th and 9th. I do not know if I can place the revised proposal on 10th as I found out that it is yet to be completed. I may have to request for more time. In the minutes of the last meeting please note that I had proposed for a series of workshops in all the 5 regions we are operating and not just in the north-east.

So much for now, bye.

Yours

Gam
on behalf of the Core Committee of the AICFAIP

* this information may be circulated since it was requested in the last meeting.

A brief note on the Forum

The All India Coordinating Forum of Adivasis/Indigenous Peoples has emerged as a result of various process at different levels that have been going on for the past 15 years or so. Interactions, linkages and alliances emerging in different parts of the country over issues and struggles, political demands and political ideologies of diverse nature in the Adivasi/IPs regions have all contributed to its becoming as loose knit entity/Forum. Organising the 3rd international conference of International Alliance of Indigenous - Tribal Peoples of the Tropical Forests at Nagpur in 1996 created yet another opportunity where a process of discussion on its charter of Rights in various regions by IPs organisations and drawing representatives to the national organising committee of the conference took place. After the conference, this committee met to evaluate the conference in which some more friends from other organisations were invited. This expanded group decided to constitute AICFAIP as a loose Forum to fulfill the long felt need of a platform of IPs movements. After taking stock of the situation - struggles and mobilisations in each region, it was decided that a convenor and co-convenor be identified from amongst the people present. Later, certain tasks to be carried

Analytical models of Lyman-α clouds: Reading list

This is by no means an exhaustive list, and reflects only the topics I talked about at the meeting.

There are many reviews on the analytical models of the Lyman-α clouds. Check out the proceedings of the recent conferences, like the one on QSO absorption lines held in Garching, Nov 1994.

There are a few papers on the variations on the theme of cold clouds embedded in hot gas :

(a) Mo, H. J., 1994, MNRAS, 269, L49

(b) Mo, H. J., and Miralda-Escudè, J. 1996, ApJ, 469, 589 (and the references therein)

An interesting discussion on the physics involved appears in:

Weymann, R., in "The physics of the interstellar medium and intergalactic medium", ASP Conference Ser. Vol 80, 1995, eds., A. Ferrara, C. F. McKee, C. Heiles and P. R. Shapiro.

High redshift.

out viz 1. work group on women. 2. work group on status report and annual report. 3. work group on threatened peoples. 4. work group on biodiversity and IPR were identified. Each of these work group constituted a convenor for their group. The convenor, co-convenor of the forum, 4 convenors of the work group and 2 more co-opted members constitute the decision making body called the Core Committee.

The Forum is now made up of more than 77 IPs organisations and is demarcated into 5 regions, viz.: North-East, North Central, South Central, South and Western regions based on the concentration and distribution of Indigenous Communities and their history, and for the convenience of work at the grass-roots level.

Any struggle based IPs mass organisations and any struggle based mass organisations who are also mobilising IPs and taking up IPs issues can be part of the Forum. The work groups can also bring in competent experts and functionally required individuals into the work group (whether IPs or not, whether part of any struggle groups or not) to enable the work groups carry out their tasks effectively as and when required on short/long term basis and formally or informally.

Further it is expected that the activities of the Forum would strengthen the dynamics of the coming together locally, regionally and nationally creatively, and the structure itself is to reflect this. It implies that the structure also is to evolve reflecting the reality (not mechanically) of the changes taking place within the Forum and its constituents and is focussed towards ensuring the carrying out of its activities. Therefore, the structure reflects the reality as well as it reflects the need to effectively carry out activities decided upon.

These are in brief the process and mechanism existing presently in AICFAIP and changes are possible.

To

[Shiv, TR, Biman, Srianand
Gopal Krishna, Rakesh Mallik, Jayaram Chengalur
Ravi Subrahmanyan, Anantharamaiya, Dwarkanath
Arati Chokshi, Prajwal Shastri
K.P. Singh, D. Narasimha] (This is for my information - Manjiri]

The above mentioned people actually participated in the Discussion meeting. (14)

Dear Orange County Participants,

This is just to remind you the commitment which you generously agreed to on the last day.

(1) I need an annotated reading list of the references etc. related to your talk.

(2) I need 1 copy of the xerox of the transparancies which you have used. [Bangalore participants are supposed to give this to Dwarkanath].

(3) I would like to have some commitment as regards the possibility of any of you writing review articles for JAA arising out of this meeting.

I certainly need items 1 and 2 by the end of this week.

With best regards,

your sincerely,

Paddy

Dear Srini,

Thank you very much for giving me an opportunity to be involved with the Coorg meeting. This was one of the best meetings I have ever been involved with or attended. All the participants got into the spirit of the meeting and participated whole-heartedly. The lectures were quite good and discussions quite intense.

I have asked all the participants to give me a feedback on the academic issues related to the meeting and I will send you a consolidated report in a couple of weeks time. After one iteration me/you can send it to the Academy.

There were a few minor (but potentially irritating) issues related to logistics which we should be aware of while using Coorg. Most of them are related to food, with more than 50% of the

SSC General

For status updates

ashish kothari

From: KVDelhi <nbsapna@vsnl.net>
To: ashish kothari <ashish@del1.vsnl.net.in>
Subject: Re: Letter inconnection to the e-mail message dt. 11.8.2000
Date: Wednesday, October 11, 2000 1:32 PM

We have received the letter from the CS herein Delhi MoU is in prep and may already have been sent out. We have also received confirmation for Nature and Wildlife Conservation society in Orissa and in Gujarat the PCCF has been appointed. This leaves Arunachal, Manipur, Mizoram, Bihar, Kerela, Rajasthan and now UP. We are still awaiting news in writing about the agency from HP and J&K but it is being followed up vigorously.
BCIL will be sending lists with these updates about status of exec agencies soon. Some status charts should already be with Sujatha.
----- Original Message -----
From: ashish kothari <ashish@giasdl01.vsnl.net.in>
To: Forestry Project <rkm_jfm@yahoo.com>
Cc: G.V. Sarat Babu <sarat@menf.delhi.nic.in>; BCIL <bcil@giasdl01.vsnl.net.in>; Sujatha NBSAP <kalpavriksh@vsnl.net>; NBSAP KV Delhi <nbsapna@vsnl.net>
Sent: Tuesday, October 10, 2000 4:07 PM
Subject: Re: Letter inconnection to the e-mail message dt. 11.8.2000

CONSERVATION AND LIVELIHOODS NETWORK

Circular No. 10 **November 1999**

Dear Friends,

Subsequent to the letter sent last time we have finalised the brochure for the Conservation and Livelihoods Network. A copy of the same is enclosed. We hope to make a better designed version of this as well. However, this can now be used by members.

In the last few weeks there has also been a very interesting discussion on the email on live and live- wire fencing to prevent damages to crops from wild animals. As you would recall this was a subject that has been discussed in some detail in the 3rd Consultation in Bhopal earlier this year. According to information received, DR. MB Krishna (email: jags@giasbga.vnsl.net.in), has been working extensively on issues related to live fencing. There was also a long email from Mr. Krishna Narain with details of 'electric fencing'. He can be contacted at <knibex@vsnl.com >. If anyone is interested in receiving the full draft of details that he has sent, please write to us, we will send it over.

The Tarun Bharat Sangh (TBS) in Alwar district, Rajasthan is planning a Jungle Jivan Bachao Yatra for the state of Rajasthan, which will commence on the 14th of January 2000. A copy of a note on conservation and communities by Rajendra Singh of the TBS is being enclosed.

There have been more reports of proposed denotifications / deletions of protected areas under the Settlement of Rights process. Attached is a complete list of PAs where denotification / deletion has been proposed as part of the Settlement process.

Below is some additional information that may be of use

1) A senior level official meeting of forest officials, and the administration of the state of Maharashtra was held in Mahabaleshwar on October 16th to discuss the process of Settlement of Rights in Protected Areas. A set of guidelines is to be shortly prepared for the Settlement process. Contact: Parvin Pardeshi, Jt. Secretary to the CM, Mantralaya, Mumbai - 400021

2) A National Forest Action Plan has been proposed by the MoEF, and a mind boggling sum of $ 32 billion is being sought for its preparation / implementation. The plan needs to be assessed for its impacts on biodiversity and local communities. Contact: IG (Forests), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, Lodi Estate, New Delhi – 110003

Conservation and Livelihoods Network
C/o Kalpavriksh, Apt. 5, Sree Dutta Krupa, 908 Deccan Gymkhana, Pune - 411004.
Ph. / Fax: 020 5654239 Email: ashish@nda.vsnl.net.in

SSC General (rel. to Haryana, TN & J&K)

NATIONAL BIODIVERSITY STRATEGY & ACTION PLAN

Ms. Meeta Vyas
Secretary General, WWF-India
New Delhi

25 September, 2000

Dear Ms. Vyas,

Thanks for your fax of 24 August, responding to our request of 5th July to participate in the NBSAP process. It was good of you to agree to the state units being nominated as nodal agencies for the preparation of the state level action plans.

I am sorry for this delayed response, but I was awaiting confirmations from various agencies regarding the status of the process before I wrote to you. As you know, the NBSAP process is being carried out at 4 levels simultaneously: thematic, substate (for selected local areas), ecoregional (inter-state), and state/U.T. level. While we have virtually full say in appointing nominated individuals or agencies for the substate, thematic, and ecoregional levels of the NBSAP process, this is not the case with the nominees for the state level process. In this case, the Ministry of Environment and Forests has followed the policy of asking the state governments to accept our nominees, or else suggest their own nodal agencies. We have unfortunately only had mixed luck in getting our nominees to be accepted by the state governments.

With regard to the three states in which we had nominated WWF as the nodal agency, the following is the picture:

1. For Haryana, after initially agreeing to WWF's nomination, the state government has opted for the Environment Department to take the lead. However, there is an oral indication that the WWF unit, specifically Ms. Sangeeta Jund, would have a major role in the state action plan process. We are waiting to hear from the Director, Environment, about the precise relationship, and in particular whether, if WWF is expected to play a major role, there will be appropriate financial transfers also. Ms. Jund will in any case be on the State Steering Committee for the process, and will accordingly have a prominent voice.

(unless otherwise specified or necessary, please send correspondence to Project Administration address below)

National Project Director (NPD)
R.H. Khwaja, Joint Secretary, Ministry of Environment and Forests, Government of India, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi-110003; Tel: 91-11-4362551; Fax: 91-11-4360678, 4361704; Email: rhk@menf.delhi.nic.in

Technical and Policy Core Group (TPCG)
Ashish Kothari, (Coordinator), Kalpavriksh, Apartment 5 Shree Dutta Krupa, 908 Deccan Gymkhana, Pune-411004. Tel:/Fax: 91-20-5654239; Email: ashish@nda.vsnl.net.in.

Project Administration
Biotech Consortium India Limited, Kundan House 4th Floor, 16, Nehru Place, New Delhi – 110 019; Tel: 91-11-6415314, 6415385; 6219540 Fax: 91-11-6219541; Email: bcil@giasdl01.vsnl.net.in.

2. For Tamil Nadu too, the state government had earlier indicated its acceptance of WWF as the nodal agency, to work in collaboration with the Forest Department. However, they then changed their mind, perhaps because for quite some time neither we nor the T.N. Government heard a confirmation from WWF itself (both we and the TN WWF unit were awaiting your response to our request made on 5th July, but by the time it came on August 24, processes had moved ahead in the state government. They have now nominated the Forest Department as the nodal agency. Hopefully, WWF will still be on the State Steering Committee, and will have a say in the planning process there, as the unit certainly has the experience and expertise that could make a difference.
3. In the case of J&K, there has been no written communication from the state government at all. One forest official had come for the June workshop, and had claimed that the Forest Department had been nominated as the nodal agency, however this has not been confirmed in writing. We are therefore unclear about the status of WWF's nomination, and are hoping that this will still go through. We have in fact recommended to MoEF that if the state governments do not respond upto a certain date, we should go ahead and release the money to our nominated agency, and request them to carry out the process independently.

I am sorry for this somewhat negative response. We are ourselves somewhat disappointed by the response of state governments, but are trying to ensure that NGOs and independent persons have as much a voice in the process as steering committee members or in other capacities.

Regarding your suggestion to include Manish Chandi and Dr. Kishore Kumar Thapa in the state committees of A&N and Sikkim respectively, these suggestions have been forwarded to the relevant nodal agencies. I am sure these individuals will be able to actively participate in the process. In the case of Andamans, in fact, ANET has been accepted as nodal agency, so I'm sure Manish will be an active participant there.

I was actually also hoping for some more suggestions on how WWF could contribute to the other levels of the planning process, considering its large network and its various activities. Some of the members from HQ and state units have already been nominated onto thematic or other working groups, and hopefully will be able to bring WWF's expertise to the process. Any further suggestions along these lines would be most welcome.

With regards,

Ashish Kothari

(Ashish Kothari)

SSC General

WWF World Wide Fund For Nature - India
विश्व प्रकृति निधि भारत

Meeta R. Vyas
Secretary General & Chief Executive Officer

FAX No.: 020-5654239

NBSAP/WWF-India/2000
24 August, 2000

Dear Mr Kothari,

Please refer to your fax of 19 August, 2000, regarding participation of WWF-India in the NBSAP at State-level. I am happy to inform you that WWF-India State Offices identified as Nodal Agencies for State-level Biodiversity Strategy and Action Plans (Tamil Nadu, Jammu & Kashmir and Haryana) have been given the approval to accept the role of Nodal Agencies, and have been advised to be in communication with you directly with copy to Mr. Sastry. I would also offer you the suggestion to include Mr Manish Chandi, Project Officer, WWF-India C/o ANET in Andamans and Dr Kishore Kumar Thapa, Officer-in-Charge, WWF-India Sikkim field Office, Deorali, Near Forest Secretariat, Gangtok (Telefax: 03192-81427) as Members of the State Advisory Committee for A N Islands and Sikkim respectively.

You may please contact our State Offices for follow-up action by them and please send copies of your communications to Mr Sastry in WWF-India Secretariat.

With best wishes and regards,

Yours sincerely,

for (Meeta R Vyas)

Anupama Khatri

(Anupama Khatri)
Executive Asst. to Secretary General & CEO

Mr Ashish Kothari
Coordinator,
Technical & Policy Core Group (TPCG),
National Biodiversity strategy & Action Plan,
C/o Kalpavriksh,
Apartment 5 Shree Dutta Krupa,
908 Deccan Gymkhana,
Pune 411 004.

TRUSTEES
Mr. Jamshyd N. Godrej, President
Mr. A.K. Mahindra, Vice President

Mr. M.A. Partha Sarathy
Ms. Bubli Brar
Dr. Alit Kumar Banerjee
Mr. Vikram [illegible]

Mr. S. P. Godrej, President (Emeritus)

WWF-India Secretariat
Pirojsha Godrej National Conservation Centre
172-B, Lodi Estate, New Delhi-110003
Tel: 461 6532, 469 3744, 469 1760-2
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SSC General

NATIONAL BIODIVERSITY STRATEGY & ACTION PLAN

(faxed)

Meeta Vyas
Secretary-General
World Wide Fund for Nature - India
New Delhi

19 August, 2000

Dear Ms. Vyas,

With reference to my letter of 5th July, and our telephonic conversation last month, I have not heard from WWF regarding our request for participation in the NBSAP (at the level of states where WWF has been recommended for being the nodal agency, as also in the thematic and other action plan levels that were discussed at the Inaugural National Workshop).

I would appreciate an urgent response, as we have to finalise arrangements for the various executing agencies. This response may please be sent to my address below.

Thanks and regards,

Ashish

(Ashish Kothari)

(unless otherwise specified or necessary, please send correspondence to Project Administration address below)

National Project Director (NPD)
R.H. Khwaja, Joint Secretary, Ministry of Environment and Forests, Government of India, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi-110003; Tel: 91-11-4362551; Fax: 91-11-4360678, 4361704; Email: rhk@menf.delhi.nic.in

Technical and Policy Core Group (TPCG)
Ashish Kothari, (Coordinator), Kalpavriksh, Apartment 5 Shree Dutta Krupa, 908 Deccan Gymkhana, Pune-411004. Tel:/Fax: 91-20-5654239; Email: ashish@nda.vsnl.net.in.

Project Administration
Biotech Consortium India Limited, Kundan House 4th Floor, 16, Nehru Place, New Delhi – 110 019; Tel: 91-11-6415314, 6415385; 6219540 Fax: 91-11-6219541; Email: bcil@giasdl01.vsnl.net.in.

TRANSMISSION VERIFICATION REPORT

TIME : 19/08/2000 22:05
NAME :
FAX :
TEL :

DATE,TIME	19/08 22:04
FAX NO./NAME	0114691225
DURATION	00:00:44
PAGE(S)	01
RESULT	OK
MODE	STANDARD

SSC N.E. states Sharma Charles

From: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
To: ashish kothari <ashish@giasdl01.vsnl.net.in>; Virinder Sharma <virindersharma@hotmail.com>; V. Shruti Devi <shrutidevi@hotmail.com>; Sujatha NBSAP <kvriksh@vsnl.com>; Sudarshan Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V. Satheesh <ddshyd@hd1.vsnl.net.in>; P. C. Bhattacharjee <pcbhatta@gw1.vsnl.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M. Wafar <wafar@darya.nio.org>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; Darshan Shankar <darshan@frlht.ernet.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; B.M.S. Rathore <bms_r@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>
Subject: Re: MOST URGENT: Status of State Steering Committees
Date: Tuesday, August 08, 2000 4:45 PM

Page 2

Dear Asish
I have written letters to CS Mizoram,Meghalaya,Nagaland and Manipur regarding the endorsement of the state Nodel Agencies. I have also written about the time constrain in this activities.I am waiting for their reply.
If you have any information or communication etc .let me know.
Yours sincerely,
P.C.Bhattacharjee
----- Original Message -----
From: ashish kothari <ashish@giasdl01.vsnl.net.in>
To: Virinder Sharma <virindersharma@hotmail.com>; V. Shruti Devi <shrutidevi@hotmail.com>; Sujatha NBSAP <kvriksh@vsnl.com>; Sudarshan Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V. Satheesh <ddshyd@hd1.vsnl.net.in>; P. C. Bhattacharjee <pcbhatta@gw1.vsnl.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M. Wafar <wafar@darya.nio.org>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; Darshan Shankar <darshan@frlht.ernet.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; B.M.S. Rathore <bms_r@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>
Sent: Thursday, August 03, 2000 3:23 PM
Subject: MOST URGENT: Status of State Steering Committees

> Dear members,
>
> I am sending you the latest status of various SSCs/LACs/EWGs/TWGs, in four
> separate files. Please especially look at the entries marked in red, they
> are the ones which merit a "critical" status.
>
> This mail is with the SSC updates. As you will notice, we remain clueless
> about more than half the states, as the state govts. have not responded
> despite two reminders from MoEF, and in many cases, personal calls from
> TPCG members or our nominated nodal agencies.
>
> We need to take a decision on these very soon. I propose the following

If we antisymmetrize over a, b, and c in equations (3.2.21) and (3.2.22), the left-hand sides become equal. Equality of the right-hand sides yields

$$R_{[abc]}{}^{e}\nabla_e\omega_d + R_{[ab|d}{}^{f}\nabla_{c]}\omega_f = \omega_e\nabla_{[a}R_{bc]d}{}^{e} + R_{[bc|d}{}^{e}\nabla_{a]}\omega_e \quad , \tag{3.2.23}$$

where the vertical bars indicate that we do not antisymmetrize over d. The first term on the left-hand side vanishes by equation (3.2.14) while the second terms on both sides cancel each other. Thus, we obtain, for all ω_e,

$$\omega_e\nabla_{[a}R_{bc]d}{}^{e} = 0 \quad , \tag{3.2.24}$$

which yields property (4).

It is useful to decompose the Riemann tensor into a "trace part" and a "trace free part." By the antisymmetry properties (1) and (3), the trace of the Riemann tensor over its first two or last two indices vanishes. However, its trace over the second and fourth (or equivalently, the first and third) indices defines the *Ricci tensor*, R_{ac},

$$R_{ac} = R_{abc}{}^{b} \quad . \tag{3.2.25}$$

By equation (3.2.20), R_{ab} satisfies the symmetry property

$$R_{ac} = R_{ca} \quad . \tag{3.2.26}$$

The *scalar curvature*, R, is defined as the trace of the Ricci tensor:

$$R = R_a{}^{a} \quad . \tag{3.2.27}$$

The "trace free part" is called the *Weyl tensor*, C_{abcd}, and is defined for manifolds of dimension $n \geq 3$ by the equation

$$R_{abcd} = C_{abcd} + \frac{2}{n-2}(g_{a[c}R_{d]b} - g_{b[c}R_{d]a}) - \frac{2}{(n-1)(n-2)}R\,g_{a[c}g_{d]b} \quad . \tag{3.2.28}$$

The Weyl tensor satisfies the symmetry properties (1), (2), and (3) of the Riemann tensor as well as being trace free on all its indices. It also behaves in a very simple manner under conformal transformations of the metric (see appendix D) and for this reason is sometimes called the *conformal tensor*.

Contraction of the Bianchi identity (3.2.16) leads to an important equation satisfied by R_{ab}. We find

$$\nabla_a R_{bcd}{}^{a} + \nabla_b R_{cd} - \nabla_c R_{bd} = 0 \quad . \tag{3.2.29}$$

Raising the index d with the metric and contracting over b and d, we obtain

$$\nabla_a R_c{}^{a} + \nabla_b R_c{}^{b} - \nabla_c R = 0 \tag{3.2.30}$$

or

$$\nabla^a G_{ab} = 0 \quad , \tag{3.2.31}$$

where

$$G_{ab} = R_{ab} - \frac{1}{2}R\,g_{ab} \quad . \tag{3.2.32}$$

The tensor G_{ab} is called the *Einstein tensor*. It appears in Eins twice contracted Bianchi identity, equation (3.2.31), plays ensuring consistency of Einstein's equation (see chapters 4 a

3.3 Geodesics

Intuitively, geodesics are lines that "curve as little as p "straightest possible lines" one can draw in a curved geome operator, ∇_a, we define a *geodesic* to be a curve whose tan propagated along itself, i.e. a curve whose tangent, T^a, sati

$$T^a\nabla_a T^b = 0 \quad .$$

Actually, in order to satisfy the intuitive requirement that th as possible," one might require only that the tangent vector t same direction as itself when parallel propagated, and not d the same length. This would yield the weaker condition,

$$T^a\nabla_a T^b = \alpha T^b \quad ,$$

where α is an arbitrary function on the curve. However, it is e a curve which satisfies equation (3.3.2) we can always repa satisfies equation (3.3.1) (see problem 5). Thus, there is no in considering only curves which satisfy equation (3.3.1). A p yields equation (3.3.1) is called an *affine parameterization*. a geodesic requires it to be affinely parameterized. (Some oth term geodesic to any curve satisfying eq. [3.3.2].)

We can get some insight into the nature of the geodesic e the components of this equation in a coordinate basis. In a co geodesic is mapped into a curve $x^\mu(t)$ in $\mathbb{R}^n$. By equation (3.1 T^μ, of T^a in this coordinate basis satisfy

$$\frac{dT^\mu}{dt} + \sum_{\sigma,\nu}\Gamma^\mu{}_{\sigma\nu}T^\sigma T^\nu = 0 \quad .$$

However, by equation (2.2.12), the components T^μ are simp

$$T^\mu = \frac{dx^\mu}{dt} \quad .$$

Thus, in a coordinate basis, the geodesic equation becomes

$$\frac{d^2x^\mu}{dt^2} + \sum_{\sigma,\nu}\Gamma^\mu{}_{\sigma\nu}\frac{dx^\sigma}{dt}\frac{dx^\nu}{dt} = 0 \quad .$$

Equation (3.3.5) is a coupled system of n second order equations for the n functions $x^\mu(t)$. From the theory of ordin tions, it is known that a unique solution of equation (3.3.5) a given initial value of x^μ and dx^μ/dt. This means that *given p*

> options for action:
>
> 1. We wait till the middle of August, after which we request the nominated
> nodal agencies to go ahead and take up the task, albeit a less effectively
> than if the state govt. were formally a part of it. In some cases, some of
> these agencies may be able to bring in state agencies they are in touch
> with or influential with. However, this course of action will depend on
the
> MoEF being comfortable, as this may have some centre-state implications.
>
> 2. If the above is not considered possible/desirable, we wait till the end
> of August, then abandon the states from where there is no official
response
> at all. Some of the agencies we have identified can then perhaps be asked
> to take up some substate sites, so at least something from these states
> would be done.
>
> Comments please. PLEASE TREAT THIS AS URGENT, I WOULD ESPECIALLY
APPRECIATE
> RESPONSES FROM TPCG MEMBERS RESPONSIBLE FOR EACH OF THE "CRITICAL" STATES.
> Thanks,
>
> Ashish
> Kalpavriksh
> Apartment 5, Shree Dutta Krupa
> 908 Deccan Gymkhana
> Pune 411 004, India
> Ph. and fax: ++91-20-565 4239
> Email: ashish@nda.vsnl.net.in

e in v^a) vanishes; i.e., parallel transport *is* path-independent to *first order* in Δs. To calculate the second order change in $v^a\omega_a$, we need to evaluate the n brackets in equation (3.2.6) to first order. We do this by the following ure: We consider the curve $t = \Delta t/2$ and imagine parallel transporting v^a and $_a$ along this curve from $(\Delta t/2, 0)$ to $(\Delta t/2, \Delta s)$. Now to first order in Δs, v^a $/2, \Delta s)$ equals the parallel transport of v^a at $(\Delta t/2, 0)$ along this curve since, arked above, parallel transport is path-independent to first order. On the other to first order, the term $T^b\nabla_b\omega_a$ at $(\Delta t/2, \Delta s)$ will differ from the parallel ort of that quantity from $(\Delta t/2, 0)$ by the amount $\Delta s S^c\nabla_c(T^b\nabla_b\omega_a)$, where S^c tangent to the curves of constant t. Hence, the term in brackets is just this y contracted with v^a. Thus, to second order in $\Delta t, \Delta s$, we find

$$\delta_1 + \delta_3 = -\Delta t\,\Delta s\, v^a S^c\nabla_c(T^b\nabla_b\omega_a) \quad , \tag{3.2.7}$$

, to this accuracy, we may evaluate all tensors at p. Adding the similar ution for δ_2 and δ_4, we find the total change in $v^a\omega_a$ is

$$\begin{aligned}\delta(v^a\omega_a) &= \Delta t\,\Delta s\, v^a\{T^c\nabla_c(S^b\nabla_b\omega_a) - S^c\nabla_c(T^b\nabla_b\omega_a)\}\\ &= \Delta t\,\Delta s\, v^a T^c S^b(\nabla_c\nabla_b - \nabla_b\nabla_c)\omega_a\\ &= \Delta t\,\Delta s\, v^a T^c S^b R_{cba}{}^d\omega_d \quad ;\end{aligned} \tag{3.2.8}$$

in the second line we used the fact that the coordinate vector fields T^a and S^b ute (see the end of section 2.2 and eq. [3.1.2]) and we used the definition of emann tensor equation (3.2.3) in the last step. But equation (3.2.8) can hold ω_a if and only if the total change in v^a (accurate to second order in Δt and Δs)

$$\delta v^a = \Delta t\,\Delta s\, v^d T^c S^b R_{cbd}{}^a \quad . \tag{3.2.9}$$

s the desired result. It shows that the Riemann tensor indeed directly measures th dependence of parallel transport.

ng equation (3.2.3) we may—by a procedure completely analogous to the ion of equation (3.1.14)—express the action of the commutator of derivative ors on arbitrary tensor fields in terms of the Riemann tensor. To find the ssion for a vector field t^a, we let ω_a be a dual vector field. Then using property erivative operators together with the Leibnitz rule and equation (3.2.3), we find

$$\begin{aligned}0 &= (\nabla_a\nabla_b - \nabla_b\nabla_a)(t^c\omega_c)\\ &= \nabla_a(\omega_c\nabla_b t^c + t^c\nabla_b\omega_c) - \nabla_b(\omega_c\nabla_a t^c + t^c\nabla_a\omega_c)\\ &= \omega_c(\nabla_a\nabla_b - \nabla_b\nabla_a)t^c + t^c(\nabla_a\nabla_b - \nabla_b\nabla_a)\omega_c\\ &= \omega_c(\nabla_a\nabla_b - \nabla_b\nabla_a)t^c + t^c\omega_d R_{abc}{}^d \quad .\end{aligned} \tag{3.2.10}$$

we obtain

$$(\nabla_a\nabla_b - \nabla_b\nabla_a)t^c = -R_{abd}{}^c t^d \quad . \tag{3.2.11}$$

By induction, for an arbitary tensor field $T^{c_1\cdots c_k}{}_{d_1\cdots d_l}$ we find

$$\begin{aligned}(\nabla_a\nabla_b - \nabla_b\nabla_a)T^{c_1\cdots c_k}{}_{d_1\cdots d_l} &= -\sum_{i=1}^{k} R_{abe}{}^{c_i}T^{c_1\cdots e\cdots c_k}{}_{d_1\cdots d_l}\\ &\quad + \sum_{j=1}^{l} R_{abd_j}{}^e T^{c_1\cdots c_k}{}_{d_1\cdots e\cdots d_l} \quad .\end{aligned} \tag{3.2.12}$$

Next we establish four key properties of the Riemann tensor:

1. $R_{abc}{}^d = -R_{bac}{}^d$. (3.2.13)
2. $R_{[abc]}{}^d = 0$. (3.2.14)
3. For the derivative operator ∇_a naturally associated with the metric, $\nabla_a g_{bc} = 0$, we have
$$R_{abcd} = -R_{abdc} \quad . \tag{3.2.15}$$
4. The Bianchi identity holds:
$$\nabla_{[a}R_{bc]d}{}^e = 0 \quad . \tag{3.2.16}$$

Property (1) follows trivially from the definition of $R_{abc}{}^d$, equation (3.2.3). To prove property (2), we note that for an arbitrary dual vector field, ω_a, and any derivative operator ∇_a, we have

$$\nabla_{[a}\nabla_b\omega_{c]} = 0 \quad . \tag{3.2.17}$$

This equation can be proven from equation (3.1.14), substituting an ordinary derivative ∂_a for $\bar{\nabla}_a$, and using the commutativity of ordinary derivatives and the symmetry of $C^c{}_{ab} = \Gamma^c{}_{ab}$, equation (3.1.9). (In differential forms notation, it is the statement that $d^2\boldsymbol{\omega} = 0$ [see appendix B].) Thus, we have

$$0 = 2\nabla_{[a}\nabla_b\omega_{c]} = \nabla_{[a}\nabla_b\omega_{c]} - \nabla_{[b}\nabla_a\omega_{c]} = R_{[abc]}{}^d\omega_d \tag{3.2.18}$$

for all ω_d, which proves property (2).

Property (3) follows from equation (3.2.12) applied to the metric g_{ab}. We find

$$0 = (\nabla_a\nabla_b - \nabla_b\nabla_a)g_{cd} = R_{abc}{}^e g_{ed} + R_{abd}{}^e g_{ce} = R_{abcd} + R_{abdc} \quad , \tag{3.2.19}$$

which yields property (3). It follows from properties 1, 2, and 3 that the Riemann tensor also satisfies the following useful symmetry property (see problem 3):

$$R_{abcd} = R_{cdab} \quad . \tag{3.2.20}$$

Finally, to prove the Bianchi identity, property (4), we apply the commutator of derivative operators to the derivative of a dual vector field. We obtain, using equation (3.2.12),

$$(\nabla_a\nabla_b - \nabla_b\nabla_a)\nabla_c\omega_d = R_{abc}{}^e\nabla_e\omega_d + R_{abd}{}^f\nabla_c\omega_f \quad . \tag{3.2.21}$$

On the other hand, we have

$$\nabla_a(\nabla_b\nabla_c\omega_d - \nabla_c\nabla_b\omega_d) = \nabla_a(R_{bcd}{}^e\omega_e) = \omega_e\nabla_a R_{bcd}{}^e + R_{bcd}{}^e\nabla_a\omega_e \quad . \tag{3.2.22}$$

SSC North East LAC West Garo Cor GENERAL

kalpavriksh

From: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
To: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>; ashish kothari <ashish@giasdl01.vsnl.net.in>; Virinder Sharma <virindersharma@hotmail.com>; V. Shruti Devi <shrutidevi@hotmail.com>; Sujatha NBSAP <kvriksh@vsnl.com>; Sudarshan Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V. Satheesh <ddshyd@hd1.vsnl.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M. Wafar <wafar@univ-brest.fr>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; Darshan Shankar <darshan@frlht.ernet.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; B.M.S. Rathore <bms_r@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>
Subject: Re: MOST URGENT: status of state nodal agencies
Date: Friday, July 14, 2000 7:10 PM

Dear Asish,
I have talked to Mr. Roy of Tripura, he will be sending the andorsement letter from CS to you in due course.I am persueing for the formation of the SSC of Tripura. he will let me know. As one of my student is going to Agartola tomorrow, I am sending a letter with him also.
West Garo Hills- LAC will be formed within a few days, the names Dr. Momin will suggest. He proposed some names which seems to be very good.
SSC-Assam, will be finalised within 18/19, as Dr. Kalita is out of station for few days.
I will send a member of the NGO, Aranyak to Diphu to get the things done there.
I have send mails to Nagaland and Manipur, but no information yet.
If you have any information from AP, or the result of the talk, please do inform me immediately, then only I will telephone them.I may have to visit Itanagar to finalise everything.
For ECO-region - North east - Dr. P. Mahanta, Fishery Advisor, NEC, Dr. V. Darlong,
of the regional office of MOEF, Shillong can be members. I am collecting other names also.
I will try to come in the next TPCG meeting, but I am not very sure because of the examinations.
Yours sincerely
PCB

----- Original Message -----
From: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
To: ashish kothari <ashish@giasdl01.vsnl.net.in>; Virinder Sharma <virindersharma@hotmail.com>; V. Shruti Devi <shrutidevi@hotmail.com>; Sujatha NBSAP <kvriksh@vsnl.com>; Sudarshan Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V. Satheesh <ddshyd@hd1.vsnl.net.in>; P. C. Bhattacharjee <pcbhatta@gw1.vsnl.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M. Wafar <wafar@univ-brest.fr>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; Darshan Shankar <darshan@frlht.ernet.in>; Bansuri Taneja

MINISTRY OF ENVIRONMENT & FORESTS
TELEPHONE NUMBERS OF OFFICIALS OF MOEF

(Updated up to January 2000)

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P. RAMAMURTHY, ASST.PS	4361727	4641891	228		423
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SECRETARY'S OFFICE					
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NAND LAL, PPS	4361896	2478908	215		406
S.K. SHARMA, PS	4360721	3366513	215		406
IGF&SPL.SECY'S OFFICE					
C.P.OBERAI, IGF & Spl. Secy.	4361509	4672278	232	201	411
P.L.KATHURIA, PPS	4361509	4601954	201		411
N.K.SACHDEVA,PS	4361509	4628837	201		411
SPECIAL SECRETARY					
VINOD VAISH (NAEB, CS, BR, HSM, OC, EE, CT, EI)	4361712	4676700	246	255	438
R.L. AHUJA, PPS	4361712	5133083	255		438-B
ADDITIONAL SECRETARIES					
MALTI SINHA (NRCD, NRCP, NLCP, PC, GEF,ADB,UNDP)	4362281	3383776 3387947	233	243	412
K. ROY PAUL (IA, PL, CP)	4361308	6888508	362	378	625
ADDITIONAL IGF					
S.C.SHARMA (WL, PT, PE, AW, NZP, FC, CZA)	4362285	4638048	237	241	416
M.K.SHARMA (RT, FP, FPD, SU, FIC, EAP)	4362785	4673176	350	263	435-C
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HARJIT SINGH (EI)	4364687	6255304	319	325	563
S.C.MAUDGAL (CT,NCR,CC,NRA,NP)	4362827	6258477	310	309	554
R.P.SHARMA (NRCD:YAP, NLCP)	4362206	6990532	225		121
K. MOHAN (NRCD:GAP Ph.I&II,RE)	4362735	4360798			101

<swansong@giasdl01.vsnl.net.in>; B.M.S. Rathore <bms_r@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>
Sent: Tuesday, July 11, 2000 5:01 PM
Subject: Re: MOST URGENT: status of state nodal agencies

> Dear Asish
> Thank you for the latest status report. I have already send massages to
> nagaland, Mizoram, Meghalaya and waiting for their response.I am not sure
> what should I do about Arunachal. Should I contact WWF-office at Itanagar,
> to Sauman day? or to Derlhi head office of WWF?
> I am also worried about the progess.of of the work in some states.
> Dont worry we are receiving all the informations which you are sending.
> Yours sincerely
> PCB
> ----- Original Message -----
> From: ashish kothari <ashish@giasdl01.vsnl.net.in>
> To: Virinder Sharma <virindersharma@hotmail.com>; V. Shruti Devi
> <shrutidevi@hotmail.com>; Sujatha NBSAP <kvriksh@vsnl.com>; Sudarshan
> Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt
> <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V.
> Satheesh <ddshyd@hd1.vsnl.net.in>; P. C. Bhattacharjee
> <pcbhatta@gw1.vsnl.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M.
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> Sarat Babu <sarat@menf.delhi.nic.in>; Darshan Shankar
> <darshan@frlht.ernet.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>;
> B.M.S. Rathore <bms_r@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>
> Sent: Tuesday, July 11, 2000 11:36 AM
> Subject: MOST URGENT: status of state nodal agencies
>
>
> > Dear members,
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> > Please see attached the latest status of confirmation of nodal agencies
> > from states. As you can see, we do not even have a 50% strike rate as
yet.
> > The following states/UTs need to be urgently followed up (MoEF has
written
> > a reminder to the Chief Secretaries, but we should invidually also
follow
> > up):
> >
> > A&N Islands
> > Arunachal
> > Bihar
> > Goa
> > Gujarat
> > Karnataka
> > Kerala (MK Prasad will hopefully sort this out)
> > Lakshadweep

V.K.GUPTA, SE	(CCU)	4360588	3384962	395		727
NISHI SINGH	(FIN: NRCD)	4362344	3384175	34		122
R.B.S.RAWAT	(IFS)	4362698	4697875	238	240	417
A.K.SRIVASTAVA	(NAEB)	4362497	3070033	-	-	709
G.V. SUBRAMANIAM	(CP:Envl.Audit, SSI)	4364594	4363143	337		601
C. Vishwanathan, Dir.	(IFD)	4362698	4101537	281	254	508
R.K.CHANDOLIA	(PC)	4362065	5153022	358	214	439
S.K.PURI	(NAEB)	4361580	4672741			7th F
BALDEV RAJ	(OL)	4360270	6160889			619
G.C. BASUMATARY	(ROHQ/FC)	4360678		289		534
ADDITIONAL DIRECTORS						
K.P.S.CHAUHAN	(IA)	4360769	7193916	340	343	604
INDRANI C.	(HSM: Chemicals, HA Sch.)	4360734	6251129	399		705
NALINI BHAT	(IA:TPP,Narmada,Dahanu)	4360478	3381937	302	301	546
S.BHOWMIK	(IA:RV., HE, Nuclear PP)	4361316	4364696	221		1031
I.K.KAMBOJ	(RE)	4361316	3315396	306		1026
N.H.HOSABETTU	(IA:Indl.Proj)	4360060	6188518	303	295	547
S.KAUL	(NRCD: Lakes)	4360492	4362215	338	343	602
D. BANDOPADHYAY	(EI;Envis)	4360419	3385845	336		575
M.A.HAQUE	(HSMD)	4360667	91-360893 (Gurgaon)	346		610
A.DURAISAMY	(EI:IGPP, Printing)	4364593	3389939	335		574
HUSAIN AHMED	(EI)	4360488	6215072	308		715
S.V.AULUCK	(NGO Cell, PG Cell, CP)	4360060	7410819	305		549
S.K.AGARWAL	(IA:CRZ)	4360861	7144371	316		560
K.K.JAIN	(IA: Mining)	4364968	6440896	306		1025
JAGRAM	(CP: Legal Matters)	4362663	8766707	244		573
DEPUTY SECRETARIES						
BHAG SINGH	(Plan Coord., Court Cases)	4360009	6874661			103
VANDITA KAUL	(NAEB, CRZ)	4364981	91710238			4 -7th Fl
A.K. MEHTA	(CS)	4362434	3384116	277		442
W.L. HANGSHING	(GA)	4360783	6210032	364	370	905
SATISH KUMAR	(Admnn., P.I, P.II)	4364303	4629849	334	373	917
ARCHNA JOSHI, DS	(PL, World Bank Projects)	4362612	3388613	339		603
ASST. INSPECTOR GEN. OF FORESTS						
D.K. SHARMA	(FPD)	4363974		290		535
R.K.GUPTA	(FC)	4360627		293		515
V.B.KUMAR	(FC)	4363974	2483247	231		526
J.P.MISHRA	(FC)	4363984		234		537
A.K.B.RAMTAKE	(SU)	4363970	4364770	271		524
R.K.SINHA	(EAP)	4361795	7415732			706

> > Madhya Pradesh
> > Manipur
> > Meghalaya
> > Mizoram
> > Nagaland
> > Orissa
> > Rajasthan
> > U.P.
> > West Bengal
> >
> > Please see the remarks column against some of these, as situations
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> > TPCG ACTION: I would appreciate very urgent TPCG responses and action on
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> >
> > A&N: Alok Saxena, Chief Wildlife Warden and Harry Andrews, ANET
> > Goa: Richard D'Souza, CCF and Claude Alvares, Goa Foundation
> > Bihar: DS Srivastava, Nature Conservation Society, Daltongunj
> > Kerala: MK Prasad (did the compendium get sent to him?)
> > Lakshadweep: Syed Koya
> > Nagaland: Khekiho Shohe
> > I have shortlisted these because they were all hopeful of being
confirmed
> > as nodal agencies, and need to checked with about the latest status.
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> > Could you also please send us the confirmation letters of the following
> > (these are listed as confirmed in your "List of SSC Coordinators
> (Confirmed
> > by CS)", but the letters were not in the packet you sent last week):
> > Andhra, Assam, Delhi, Himachal, J&K, Sikkim, and Tripura. Thanks.
> >
> > I HAVE NOT BEEN HEARING MUCH FROM MOST TPCG MEMBERS IN THE LAST COUPLE
OF
> > WEEKS, WHICH IS A MATTER OF CONCERN. Please respond to this message,
even
> > if to say that you have received it.
> >

SURINDER KUMAR, (NAEB)	4362513	6181072			702
KANWARJIT SINGH(Wildlife)	4369372	2202799	279		527
SHYAMAL TIKADAR (Project Tiger)	3389645				BH
JAGDISH SINGH (RT)	4363982	3382419	258		507
D.M.SHUKLA (FP)					
JOINT DIRECTORS					
M. SUBBA RAO (IA;CRZ, Ports,Tourism)	4361410	6172358	384		926
R.WARRIER (IA: Indsl. Projects)	PBX:478		297		542
A.K.TYAGI (IA: Com.Proj., IDA)	PBX:524		347		611
T.CHANDINI (CS: Desert.)	4363963		267		1027
AHOK BHATIA (CP: Pollution Standards)	4364593	5749173	326		1033
T.K.BANDOPADHYAYA (CP: Water Poll.)	4363960	6116341		708	
RASHID HASAN (PL: Ecomark, Env.Trib)	4363677	6171577	365		930
E.V.MULEY (CS: Mangroves & Coral Reefs, Marine Biodiversity)	4360627	5574814	315		559
P.L.AHUJA RAI (IA: Mining)	4363973	329360	326		1030
SARAT BABU (CS: BD)	**4360667**	**4362329**	**344**		**608**
R.K.RAI (CS:SACON, ICIMOD, BR, GBPIHED,BG, NBG,BD Instt)	**4364593**	**6250928**	**227**		**572**
H.J.CHOUDHARY (CS)	4360492				
Mrs. RAGHUPATHY (CS)	4363960	4363188	220		718
SAROJ (HSM: SW, Fly Ash)	4364067	3782253	357		716
J.R.BHAT (RE: Climate Change)	PBX: 525	3387429	317		561
CHANDA CHOUDHRY (RE)	PBX: 512		322		566
NASEEM AHMED (AW Division)	3386277				
N.K.SHARMA (Computer Cell)	PBX: 511				709
UNDER SECRETARIES					
H.M.SARKAR (IFD, Budget & Accounts)	PBX: 506	6442878	368		909
R.DAYAL (CP: CBCB Estt.)	4363964	5541979	294		545
R. SANEHWAL (IFS)	4363983	2243279	264		518
K.S.ACHAR (GC, Port., P.II, Parl.,NE Cell)	~~4363961~~ 4362290	6924086	248		911
N.BHATTACHARYA (FE)	PBX: 468		268		517
BINA BAHRI (IC)	4363677		311		928
RATI RAM (GA)	4361722	91245092	38		7th F
V.K.KHANNA (IFD, NAEB)	4360806	6857824	200		433
R.C.GUPTA (NRCD)	4361057	5526573			
SSS SHARMA (P.I)	4363961		361		903
MOHANDASAN (PT)	3389645				BH
D.N. GROVER (IFS.II)	PBX:459		261		510
B.C. BEHERA (NAEB:Admn.)	4361795	4692918			7th F

> > Thanks,
> > Ashish
> >
> > Kalpavriksh
> > Apartment 5, Shree Dutta Krupa
> > 908 Deccan Gymkhana
> > Pune 411 004, India
> >
> > Ph. and fax: ++91-20-565 4239
> > Email: ashish@nda.vsnl.net.in
>
>

A.K. SINHA	(CS)	PBX:432		341		605
SC AGARWAL	(DDO)	PBX:419	2429027	219		435
A.K. JAIN	(FF)	PBX:428		333		1002
B. CHATTERJEE	(GA)	4362290	91245092	369		910
G.P.HALDAR	(FE)	PBX: 432		262		523
DEPUTY DIRECTORS						
S.SATPATHY	(Ozone Cell)	4642176	4360181			IHC
M.HOTA	(CP:WB Proj)	4363677		259		913
M.SALAHUDDIN	(PC)	PBX: 511				709
M.BISWAS	(EI)	PBX: 450		286		707
SANCHITA JINDAL	(HSMD)	4360488	6171515	354		717
SUJATA ARORA	(CS: Bio-Convention)	4364595	5409686	217		701
S.KHAPARDE	(RE: Eastern Ghats)	PBX: 415		321		569
USHA SUBRAMANIAN	(EE)	PBX: 478	91350760	327		542
S.V.REDDY	(CP: Vehicular Poll)	PBX: 415		321		569
KIRAN SHUKLA	(Official Language)	4361410	4698312	388		929
R.K.SURI	(EI)	PBX: 507	6176469	382		926
S.C.GARKOTI	(IA: Mining)	4360806		200		
DESK OFFICERS						
G. DEVNANI (VIGILANCE)		4363965		265		
PAY & ACCOUNTS OFFICE						
A.N.BOKSHI	(CA)	4361116		372		1011
M.L.MITTAL	(PAO)	4361826		374		1016
PROTOCOL OFFICER						
S. Moolwani		4363975	2490218	379		918
SECTION OFFICERS						
RAJ K. KATARIA	(FP)	4360627	4633850	288	457	533
Naresh Bhardwaj PI PII		4363961		361		903
Manoj Kumar	(GA)	4360591		360		903
J.P.RATH	(P.III,)	4363953		207		903
SHER SINGH	(CPA)	4360591		360		
BEDI	(CPW	PBX: 445	4633850	300		544
H.C.BHATIA	(IC.I)	4363975	5589351	379		918
A.N.NARAYANAN	(IC.II)	4363975		380		918
S.P.KAKKAR	(PL)	4363975		379		918
	(CS-Zoological)	PBX: 425		341		605
SUNDER LAL	(PC)	PBX: 458		260		510
BALDEV RAJ	(IA.III)	PBX: 427		342		1023
Mehar Singh	(IA.I&II)	PBX: 533		312		556
P.C.MAMGAIN	(IFS.I)	4363965		261		510
	(HSMD)	PBX: 517		286		
	(AOWFF)	4646912	8731965	252		
R.K.SHARMA	(RT)	PBX: 454	683344			125
J.K.CHAKRAVARTY	(NAEB: IPVM	4363161				

SSC
Status of nodal agency corr (TPCG)

ashish kothari

From: ashish kothari <ashish@nda.vsnl.net.in>
To: Virinder Sharma <virindersharma@hotmail.com>; V. Shruti Devi <shrutidevi@hotmail.com>; Sujatha NBSAP <kvriksh@vsnl.com>; Sudarshan Rodriguez <sudarshan.rodriguez@undp.org>; Seema Bhatt <seema1@giasdl01.vsnl.net.in>; Ravi Chellam <ravic@wii.gov.in>; P. V. Satheesh <ddshyd@hd1.vsnl.net.in>; P. C. Bhattacharjee <pcbhatta@gw1.dot.net.in>; Madhu Sarin <msarin@ch1.dot.net.in>; M.V.M. Wafar <wafar@univ-brest.fr>; Gam Shimray <admin@del3.vsnl.net.in>; G.V. Sarat Babu <sarat@menf.delhi.nic.in>; Darshan Shankar <darshan@frlht.ernet.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; B.M.S. Rathore <bms_r@yahoo.com>; Vibha Ahuja <bcil@giasdl01.vsnl.net.in>
Subject: MOST URGENT: status of state nodal agencies
Date: Tuesday, July 11, 2000 11:36 AM

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L. S. RAHEJA SCHOOL OF ARCHITECTURE
ST.MARTIN ROAD, BANDRA (WEST),
BOMBAY-400 050.

ADMISSION TO FIRST YEAR
GOVERNMENT DIPLOMA IN ARCHITECTURE (1995-96)
APTITUDE TEST :

DATE : 21ST JUNE, 1995 TIME : 8.30 A.M. TO 11.30 A.M.

INSTRUCTIONS TO CANDIDATES

1. This Paper is both the Question Paper and the Answer Book.
2. The Subjects covered are :
   a) Aesthetic Sensitivity ..... (120 Marks)
   b) Drawing ..... (150 Marks)
3. The time allotted is 3 hours for all the papers together at a stretch.
4. Your Seat No. (that is application No.) is to be written on each page in the square provided therefor.
5. There are 8 pages in this bunch including face sheet
   i.e. Face Sheet ..... 1 No.
   Aesthetic Sensitivity ..... 6 Nos.
   Drawing ..... 1 No.
6. Drawing papers will be separately supplied for answering the subject Drawing.
7. Submit your Answer Papers separately for each subject.

****

Bihar: DS Srivastava, Nature Conservation Society, Daltongunj
Kerala: MK Prasad (did the compendium get sent to him?)
Lakshadweep: Syed Koya
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Thanks,
Ashish

Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411 004, India

Ph. and fax: ++91-20-565 4239
Email: ashish@nda.vsnl.net.in

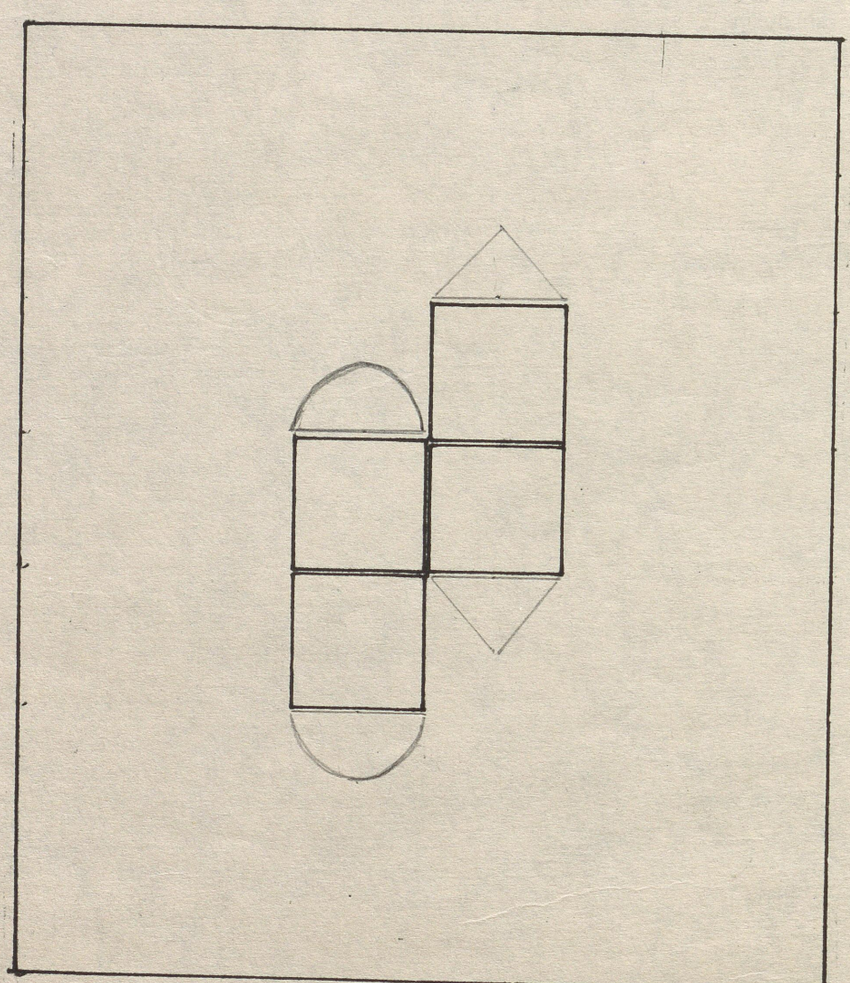
L. S. RAHEJA SCHOOL OF ARCHITECTURE
BANDRA (WEST), BOMBAY - 400 050.

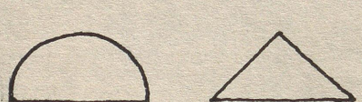
APTITUDE TEST : 1995-96 SEAT NO.

DATE : 21ST JUNE, 1995

AESTHETIC SENSITIVITY

Q. 2 . Observe the pattern given inside the square frame.
. Use semicircle and triangle shown below TWICE Each.
. Attach them to the existing pattern given inside the square frame in proportion. (20 Marks)





SSC (Gen) Corr

NATIONAL BIODIVERSITY STRATEGY & ACTION PLAN

Mita Vyas,
World Wide Fund for Nature-India
172-B Lodhi Estate
New Delhi 110 003

5 July, 2000

Dear Ms. Vyas,

This is to follow up the conversation that we had in Delhi during the Inaugural National Workshop of the National Biodiversity Strategy and Action Plan (NBSAP) project. I do hope that my presentation at WWF and the first session of the workshop gave you an idea of the scope and nature of the project. I would therefore look forward to your views on how and in what ways WWF-India could contribute to the process.

Specifically, based on existing knowledge, we had earlier recommended that the WWF-I Tamil Nadu, J&K, Haryana, and Arunachal Pradesh State offices be chosen as nodal agencies to carry out the Action Plan process in their respective states. In the case of Tamil Nadu and Haryana, these recommendations have been accepted by the state governments too (J&K and Arunachal have not yet got back to us on this). We would therefore request your views on this arrangement; if it is acceptable, we would proceed with further communication with these state units. The money that will be made available to them for the process will be about five lakhs to Tamil Nadu and about three lakhs to Harayana.

Secondly, WWF would undoubtedly have much to contribute in other states and in various thematic action plan processes, so your inputs on these too would be valuable.

We would appreciate an early response to this so that the process of the NBSAP could be carried forward.

Yours sincerely,

Ashish

(Ashish Kothari)

(unless otherwise specified or necessary, please send correspondence to Project Administration address below)

National Project Director (NPD)
R.H. Khwaja, Joint Secretary, Ministry of Environment and Forests, Government of India, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi-110003; Tel: 91-11-4362551; Fax: 91-11-4360678, 4361704; Email: rhk@menf.delhi.nic.in

Technical and Policy Core Group (TPCG)
Ashish Kothari, (Coordinator), Kalpavriksh, Apartment 5 Shree Dutta Krupa, 908 Deccan Gymkhana, Pune-411004. Tel:/Fax: 91-20-5654239; Email: ashish@nda.vsnl.net.in.

Project Administration
Biotech Consortium India Limited, Kundan House 4th Floor, 16, Nehru Place, New Delhi – 110 019; Tel: 91-11-6415314, 6415385; 6219540 Fax: 91-11-6219541; Email: bcil@giasdl01.vsnl.net.in.

SCC (Gen) North East Cons

ashish kothari

From: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
To: bcil <bcil@giasdl01.vsnl.net.in>; ashish kothari <ashish@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
Subject: Re: [Re: WesternGhats Working Group]
Date: Tuesday, July 04, 2000 12:29 PM

Dear Bibha
Hope you are all well. Please send the hundred number each of Assamese, Bengali,Nepali, and few Manipuri(correctd version of Bengali and Manipuri)of "Call for participation".The Nodel agency of Assam Assam Science Society Had their 1st meeting yesterday(3.7.2k) and SC mnames will be finalised by 10/12 days and the state level workshop will be in the 1st week of August.They have already started the traslation work of "call for participation" in Bodo language.I was pesent in the meeting , some press people also came.Please send the reminder to the Nodel agencies and the CS of the states who have not yet responded.
Rest is all fine.
PCB
----- Original Message -----
From: bcil <bcil@giasdl01.vsnl.net.in>
To: ashish kothari <ashish@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>; P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
Sent: Monday, July 03, 2000 2:33 PM
Subject: Re: [Re: WesternGhats Working Group]

> Dear Ashish,
>
> We have checked and have been informed by the MoEF that they would be
> sending the reminders to the state CS for nomination/confirmation of the
> nodal agency within a day or two.
>
> Regards,
>
> Anil
> ----- Original Message -----
> From: ashish kothari <ashish@giasdl01.vsnl.net.in>
> To: BCIL <bcil@giasdl01.vsnl.net.in>
> Sent: Saturday, July 01, 2000 9:46 PM
> Subject: Fw: [Re: WesternGhats Working Group]
>
>
> > Dear Vibha,
> >
> > Could you please see the request from PCB below?
> > Ashish
> > Kalpavriksh
> > Apartment 5, Shree Dutta Krupa
> > 908 Deccan Gymkhana
> > Pune 411 004, India
> >
> > Ph. and fax: ++91-20-565 4239

Auxiliary spaces

Storage: Safety store for audio-visual equipment

Office Storage and Supply Room:

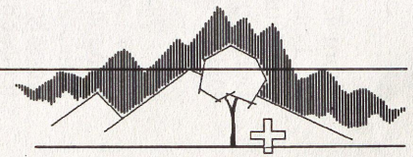
Storage of forms, inactive files, copier.

Users: Office personnel (departmental heads)

Relationship: Business office, social worker / director

Space Configuration: 18-25 sq. m., height 2.4-2.8 m.

Acoustics: Adjacent areas should be protected from sound generated by machinery.



SSC General Corr

ashish kothari

From: P.C.Bhattacharjee <pcbhatta@gw1.vsnl.net.in>
To: ashish kothari <ashish@giasdl01.vsnl.net.in>; bcil@giasdl01.vsnl.net.in
Cc: ashish kothari <ashish@giasdl01.vsnl.net.in>

Subject: SSC/nodel agency
Date: Monday, May 29, 2000 10:32 PM

Dear Asish/ Anil I will bring the Manipuri traslation of call for participation. Address of Iswar Prakash : Desert Regional Station, ZSI, Chopasni Road, Jodhpur-341 005 Ph(0291) 751152 (off) , 512654 (Res). He donot have any Fax or e-mail. I have come to know that organizations like (1) Tarun Bharat Sangha (2) Ranthombore Foundation are doing work very well, may be considered as SSC members or as Nodel agency, if it is not finalised. Mr. Kishore sant of Rajasthan is another name for considerstion. Please inform if I can directly contact the Nodel agencies for participation in workshop of Noth east. How many persons from each organization may be accomodated? Air fare will be given or not ? Whether official letter has already been despatched ? I have contacted few already , they have not received any official letter yet. Yours sincerely P.C.Bhattacharjee

Get Your Private, Free E-mail from MSN Hotmail at http://www.hotmail.com

ashish kothari

From: sara jolly <sarajolly@hotmail.com>
To: ashish@giasdl01.vsnl.net.in
Subject: more details

Date: Thursday, May 11, 2000 2:06 PM

Dear Ashish
Just got these details from Manu:
Yellappa Reddy - Retd. Chief Secretary, Dept of Forests, Ecology and Environment, Govt. of Karnataka.
Dr. Subramanya S. Prof of Entomology,University of Agri Science, Bangalore.
Had a disaster with the library yesterday as my reader's pass had expired & by the time it was renewed they were closing. I don't have free time to go back till Saturday, so hope you can wait till then for confirmation of the Collar etc. details!
Best wishes
Sara

Get Your Private, Free E-mail from MSN Hotmail at http://www.hotmail.com

Minkowskian. Consider a cylindrical coordinate system with all the photons parallel to the z axis at the origin. Then as the bundle of photons propagate along null geodesics the cross-sectional area decreases or at least remains the same. There is no differential change in the longitudinal direction. In general there will be a change in the average direction of the bundle due to gravitational deflection. However this is of no interest here and will be ignored. It is the second order term that depends on the local curvature that is important. Since the change in area is scale invariant, and neglecting possible higher order terms, the cross-sectional area A satisfies the differential equation

$$\frac{1}{A}\frac{d^2A}{dz^2} = -\epsilon^2 \qquad (1)$$

where ϵ^2 is proportional to the local Gaussian curvature. Consistent with the geometric optics approximation we will assume that ϵ^2 has negligible variation over the distances of interest. The geometry is that of a three dimensional surface of a four dimensional hypersphere of radius $1/\epsilon$.

Consider a plane wave with finite lateral extent and let the wave travel a distance z, which is large compared with a wavelength but small compared with $1/\epsilon$. In four spatial dimensions the wave has been deflected by an angle ϵz and therefore if p_0 is the original momentum, the momentum deflected into the fourth spatial dimension is $p_0 \sin(\epsilon z)$, and the energy associated with this

SSC general copy

kalpavriksh

From: kalpavriksh <kvriksh@vsnl.com>
To: BCIL <bcil@giasdl01.vsnl.net.in>
Subject:
Date: Monday, May 29, 2000 10:18 AM

Dear Anil, Vibha,
With ref. to the SSC lists pl note:

N.D. 1. In some of the states you will have to change the nodal agency where an NGO has been designated by MOEF. eg - Andaman & Nicobar Harry Andrews will have to shift to nodal agency. It will be useful to say in collaboration with Alok Saxena and retain both addresses.
2. Pl incorporate Seema's additions of this morning. most done.
3. In Bihar SSC, DS Srivastava has been repeated under members
4. UP SSC- TERI Tel : 4632609 Fax 4621770
5. AP SSC – Nodal agency Fax:3000361
6. Himachal SSC, pl add STD code:0177 to nodal agency number; Sanjeeva Pandey's full address: Shamshi, District Kullu, Himachal-175 126
7. Karnataka SSC- Tel:8461713; Fax:3530070
8. Gujarat SSC – Hasmukh Shah's fax: 0265 384664

With ref to TWG lists :

1. Ajith Kumar's fax is 0422 857088
2. Tapan Chakraborthy's fax is 0172 690585; 0172 690632
3. TWG coordinator of Policies Laws....is Tushar Shah
4. Wild biodiversity: Invertebrate expert's name : T.N. Ananthakrishnan, Emeritus Scientist, Flat No 6, Dwaraka, 22 Kandar Nagar, Nungambakkam, Chennai 600 034
5. Delete Usha Menon's name from nodal and move to member
6. TWG Wild Bio Animals : Ranjit Daniels change of address-Hon Secretary, Chennai Snake Park, Raj Bhavan Post, Chennai 600 022

With ref to the LAC list, additions to be made to the coordinators list Ashish sent you : from Usha's email, Ashish's email with Vidarbha, PCB's email dated 26&27th and
Seema's email with the Gujarat addresses .

Pl note that the list of changes may not be exhaustive – the SSC changes were typed on Saturday and will not include any mails that have come subsequently.

Sujatha

Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411004

INDIAN ACADEMY OF SCIENCES

P.B. NO. 8005, C.V. RAMAN AVENUE, BANGALORE 560 080, INDIA

Balloting Paper for the Election of New Honorary Fellows in 1997

Two names recommended by the Council for election as Honorary Fellows are given below

---

1. **KING, David A.**
   Head, Department of Chemistry
   University of Cambridge
   Lensfield Road
   Cambridge CB2 1EW
   UK

2. **O'NIONS, Robert K.**
   Department of Earth Sciences
   University of Oxford
   Parks Road
   Oxford OX1 3PR
   UK

Place Pune Signature of the Fellow [signature]

Date 19.12.97 Name (in block letters) T. PADMANABHAN

Extracts from the Statutes of the Academy

"23. ...A balloting paper containing the names thus selected and recommended shall be sent to all the Fellows by the second week of December. It shall be returned duly signed by the Fellow, indicating his choice, in the addressed envelope accompanying the balloting paper to the Office of the Academy by the 31st day of December. Any Fellow may, if he so desires, delete any of the recommended names from the balloting list ... ."

THE BALLOTING PAPER MAY BE RETURNED TO THE ACADEMY ON OR BEFORE 31 DECEMBER 1997 IN THE SELF-ADDRESSED AND STAMPED ENVELOPE SENT HEREWITH.

Telephone: 80-334 2546 Fax: 91-80-334 6094 E-mail: office@ias.ernet.in

SSC General

kalpavriksh

From: kalpavriksh <kvriksh@vsnl.com>
To: BCIL <bcil@giasdl01.vsnl.net.in>
Subject: Some more additions
Date: Thursday, May 25, 2000 7:28 PM

Dear Anil,
Pl. note
1) Tamil Nadu SSC: Pl add to Preston Ahimaz Tel 044 4994827 Fax: 4997107
2) A&N Islands : A second contact address for Harry Andrews- Madras Crocodile Bank Trust, Post Bag 4, Mammallapuram, Tamil Nadu 603 104
3) Lakshadweep : one more fax number for Koya : 04896 62896
3) TWG Gopal Kadekodi's email is : cmdr@bgl.vsnl.net.in
4) TWG Ajith Kumar's fax : 0422 857088

Sujatha
Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411004
Ph. and fax: 91-20-5654239
Email: kvriksh@vsnl.com

SSC - UP : TERI Tel 4632609 Fax 4621770
Delhi WWF-I Fax 011 4691226 \ 4626837

Again, the other possibilities are not independent:

$$\begin{aligned} m_d &= k^c U^{23}_{cd} = \frac{1}{k^0}\left(k^2 p_d - k^3 n_d\right) \\ q_d &= k^c U^{13}_{cd} = \frac{1}{k^0}\left(k^1 p_d - k^3 \ell_d\right) \\ r_d &= k^c U^{12}_{cd} = \frac{1}{k^0}\left(k^1 n_d - k^2 \ell_d\right). \end{aligned} \tag{A.9}$$

We therefore find the following useful formulae:

$$-\frac{1}{2} F_{ab} f^{ab} \;=\; \tilde{E}_1 f^{01} + \tilde{E}_2 f^{02} + \tilde{E}_3 f^{03} \tag{A.10}$$

and

$$-F_{ab} k^a \;=\; \tilde{E}_1 \ell_b + \tilde{E}_2 n_b + \tilde{E}_3 p_b, \tag{A.11}$$

where

$$\tilde{E}_1 \;=\; E_1 - \frac{k^3}{k^0} B_2 + \frac{k^2}{k^0} B_3, \tag{A.12}$$

etc., together with

$$f^{ab}\ell_a = -k^b f^{01} \qquad f^{ab} n_a = -k^b f^{02} \qquad f^{ab} p_a = -k^b f^{03}, \tag{A.13}$$

which follow from the Bianchi identity.

With these preliminaries, a straightforward calculation along the lines of sect. 3 shows that the equation of motion (A.1) for f^{ab} reduces to the following matrix equation for the independent components f^{01}, f^{02} and f^{03}:

$$\begin{pmatrix} k^2 + (\delta+\epsilon)\tilde{E}_1 + \epsilon X & (\delta+\epsilon)\tilde{E}_2 & (\delta+\epsilon)\tilde{E}_3 \\ (\delta+\epsilon)\tilde{E}_1 & k^2 + (\delta+\epsilon)\tilde{E}_2 + \epsilon X & (\delta+\epsilon)\tilde{E}_3 \\ (\delta+\epsilon)\tilde{E}_1 & (\delta+\epsilon)\tilde{E}_2 & k^2 + (\delta+\epsilon)\tilde{E}_3 + \epsilon X \end{pmatrix} \begin{pmatrix} f^{01} \\ f^{02} \\ f^{03} \end{pmatrix} = 0, \tag{A.14}$$

where

$$\begin{aligned} &= \tilde{E}_1 \ell^2 + \tilde{E}_2 \ell.n + \tilde{E}_3 \ell.p \\ &= \tilde{E}_1 \ell.n + \tilde{E}_2 n^2 + \tilde{E}_3 n.p \\ &= \tilde{E}_1 \ell.p + \tilde{E}_2 n.p + \tilde{E}_3 p^2 \end{aligned} \tag{A.15}$$

and

$$\begin{aligned} X \;&=\; \tilde{E}_1 + \tilde{E}_2 + \tilde{E}_3 \\ &=\; \left(k^0 E_3 - k^2 B_1 + k^1 B_2\right)^2 + \left(k^0 E_2 - k^1 B_3 + k^3 B_1\right)^2 \\ &\quad + \left(k^0 E_1 - k^3 B_2 + k^2 B_3\right)^2 - \left(k^1 E_1 + k^2 E_2 + k^3 E_3\right)^2. \end{aligned} \tag{A.16}$$

ashish kothari

From: ashish kothari <ashish@nda.vsnl.net.in>
To: atree <atree@dte.vsnl.net.in>
Cc: P. C. Bhattacharjee <kkhlgu@gw1.vsnl.net.in>; Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: Re: AP address
Date: Saturday, April 08, 2000 1:12 PM

Ruchi,
This was basically to ask whether he should be put on the State Steering Committee for the BSAP process...anyway, if these guys have already started the process, we will simply offer some additional support if they need, and suggest an overall participatory approach and ways to integrate into the national process...
Ashish
Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411 004, India

Ph. and fax: ++91-20-565 4239
Email: ashish@nda.vsnl.net.in

>-From: atree <atree@dte.vsnl.net.in>
> To: ashish kothari <ashish@giasdl01.vsnl.net.in>
> Subject: Re: AP address
> Date: Saturday, April 08, 2000 9:32 AM
>
> Dear Ashish,
> Sorry for teh delay in writing. I have such a backlog of work.
>
> I know Soumen well. He is incharge of the Arunachal unit now. He is mainly
> handling the EE work there. What would you like to know about his work? Do
> you want to know about his probable involvement in the preparartion of the
> AP State BAP?
>
> I am not sure whether I mentioned to you that WWF through its Delhi office
> has pre-empted a move to do the AP BAP. The Governor of AP has asked the
> State Planning Department to get involved and act as the nodal agency. We
> had conveyed this to Dr. PCB when we met him in Feb.
>
> You could write to Soumen to find out what they are doing currently.
> More later.
>
> Message for Pankaj,
> Our participants from Siliguri will be reaching Bangalore at late night on
> 13th April. Could you suggest any place where these people could spend the
> night and then catch the first bus to BRT?

V. F. Mukhanov, H. A. Feldman and R. H. Brandenberger, Phys. Rep. 215 (1992) 203

[7] D. S. Salopek, J. R. Bond and J. M. Bardeen, Phys. Rev. D40 (1989) 1753

[8] J. Hwang, Astrophys. J. 375 (1991) 443

[9] J. Hwang, Astrophys. J. 380 (1991) 307

[10] J. M. Bardeen, in Cosmology and particle physics, ed. L. Fang and A. Zee (London: Gordon and Breach, 1988), 1

[11] N. D. Birrell and P. C. W. Davies, Quantum fields in curved space (Cambridge: Cambridge University Press, 1982)

[12] T. S. Bunch and P. C. W. Davies, Proc. R. Soc. A360 (1978) 117

[13] A. Vilenkin, Phys. Lett. B115 (1982) 91; Nucl. Phys. B226 (1983) 527;
A. Vilenkin and L. H. Ford, Phys. Rev. D26 (1982) 1231;
A. D. Linde, Phys. Lett. B116 (1982) 335

[14] L. H. Ford and L. Parker, Phys. Rev. D16 (1977) 245;
L. F. Abbott and M. B. Wise, Nucl. Phys. B244 (1984) 541;
C. Pathinayake and L. H. Ford, Phys. Rev. D37 (1988) 2099;
V. Sahni, Class. Quant. Grav. 5 (1988) L113

[15] J. Hwang and E. T. Vishniac, Astrophys. J. 382 (1991) 363

[16] J. M. Bardeen, Phys. Rev. D22 (1980) 1882;
J. Hwang and J. J. Hyun, KAO preprint PFE (1992)

[17] J. Hwang, KAO preprint MSF (1992); KAO preprint QFT (1992)

>
> Regards to both,
> Ruchi
>
>
> Eastern Himalaya Programme
> ATREE (Ashoka Trust for Research in Ecology and the Environment)
> Bungalow No 2, Bhujiapani
> Bagdogra - 734 422
> Dist. Darjeeling, West Bengal, India.
>
> Tel: 0091 353 550093, 551110
> ----- Original Message -----
> From: ashish kothari <ashish@giasdl01.vsnl.net.in>
> To: Ruchi Pant <atree@dte.vsnl.net.in>
> Sent: Friday, April 07, 2000 11:23 PM
> Subject: Fw: AP address
>
>
> > Ruchi,
> >
> > Between the two of us, what's your take on this person? Is WWF
Arunachal
> at
> > all active now?
> > Ashish
> > Kalpavriksh
> > Apartment 5, Shree Dutta Krupa
> > 908 Deccan Gymkhana
> > Pune 411 004, India
> >
> > Ph. and fax: ++91-20-565 4239
> > Email: ashish@nda.vsnl.net.in
> >
> > ----------
> > > From: centre for environmental law wwf-india <celwwf@hotmail.com>
> > > To: ashish@giasdl01.vsnl.net.in
> > > Subject: AP address
> > > Date: Friday, April 07, 2000 5:18 PM
> > >
> > > Dear Ashish,
> > >
> > > Thanks a lot for the prompt reply and for the theme paper. It will be
of
> > > great help to us. As for the contact person in Arunachal Pradesh, his
> > > details are as follows:
> > >
> > > Mr. Soumen Dey
> > > Project Officer
> > > WWF-India
> > > P.O. Box 161
> > > Bank Tinali
> > > Itanagar
> > >
> > > ph: (0360)211210
> > > fax: (0360) 211336/212655
> > >

case of near exponential expansion. Indeed, the generated quantum fluctuations in commonly adopted vacuum choice exactly confirm the previously known result in this near exponential case as

$$\mathcal{P}_{\delta\phi}^{1/2}(k,t) = \frac{H}{2\pi}, \tag{65}$$

where $\mathcal{P}_{\delta\phi}^{1/2}(k,t)$ is a power spectrum based on vacuum expectation value of the quantum (Heisenberg representation) operator $\delta\hat{\phi}(\mathbf{x},t)$ which is often considered as representing the vacuum quantum fluctuations; see H5. Equation (65) is also evaluated in the large-scale.

We emphasize that this simple results in equations (64) and (65) were available by the choice of an appropriate gauge; in this scalar field analysis it was the UCG. By combining these two results (eqs.[64,65]) we can derive the initial condition (generated from quantum fluctuation) as encoded into C

$$\mathcal{P}_{C}^{1/2}(k,t) = \frac{1}{2\pi}\frac{H^2}{\dot{\phi}}, \tag{66}$$

where the right-hand side should be evaluated in the large-scale during inflation era. Due to identical matching of the fully perturbed equation to the naive one neglecting the metric fluctuations in two typical inflation stages, the generated inflationary density spectrum coincide with the conventionally known ones in the literature. Now we determined C from the quantum fluctuation as an initial condition. As we mentioned since this C is the same C as in any other solutions in this paper informtion about all the other solutions will automatically follow from this initial condition.

4 Discussion

The main purpose of this paper was to present a heuristic way of dealing with the cosmological perturbation analysis simply using the FLRW equations. This method is shown to has a firm base in the general relativistic perturbation analysis. We showed that the Friedmann equation (eq.[1]) remains exactly valid even to the linear order, and the other FLRW equations (eqs.[2,3]) are valid to linear order in a pressureless medium (taking the CG). Furthermore, in the large-scale (especially on superhorizon scales) the spatial curvature $K(\mathbf{x},t) = \bar{K} + \delta K(\mathbf{x},t)$ remains constant in time in many of the fundamental gauge choices, thus allowing a simple description of the density evolution in certain gauge choice. The advantage of this heuristic way of analysis must be apparent. Especially, since the field of cosmological perturbations, although it has a long history, apparently have generated confusions primarily due to the internal complexity of the general relativistic system. Practically more interesting part of this paper is about explaining the rigorously derived results in this field in simple terms based on the heuristic looking method and also on more easily accessible Newtonian analysis, in fact, without losing any rigour.

We may summarize the main results as follows. On superhorizon scales there exist conserved quantities which in most gauge choices becomes the comoving part of curvature variable $K(\mathbf{x},t)$ (thus related to the perturbed potential variable φ). Also, in the

SSC corr cont

ashish kothari

From: ashish kothari <ashish@nda.vsnl.net.in>
To: C. Renuka <biotech@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: Add to SSC lists
Date: Wednesday, March 29, 2000 2:58 PM

Anil,

Please add the following to the SSC lists:

Maharashtra:
1. Shiraz, Kashtakari Sanghatana (same address as Pradeep Prabhu, in Laws/Planning TWG)
2. Ashok Kadam, Konkan Sangharsh Samiti (will send address later)
3. Benson George, Centre for Human Ecology (will send address later)

Goa:

Rajendra Kherkar, Swami Vivekananda Smruti Sangh, Keri Sankheli 403505, Sattari District

Arunachal Pradesh:

Ajay Rastogi/Ruchi Pant, Ashoka Trust for Research in Ecology and the Environment (ATREE), Bungalow No. 2, Nr.Airforce Officers Enclave, Bhujiapani, PO Bagdogra, Dist. Darjeeling 734 422, West Bengal. 0353-550093, 551110

West Bengal:

Arindam, NESPON, Siliguri, District Darjeeling 743322, West Bengal. Tel: 0353-422915.

Thanks,
Ashish

Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411 004, India

Ph. and fax: ++91-20-565 4239
Email: ashish@nda.vsnl.net.in

From nabhan Wed Jun 3 14:44:35 1998
To: vijay@ncra.tifr.res.in
Cc: nabhan
Subject: Visit - T.K. Menon

Dear Vijay,

We have received an email from Prof. T.K. Menon (enclosed below) regarding his visit to NCRA/IUCAA. Jayant has asked me to coordinate with you the logistics of this visit. Can you please let me know how you would like to proceed further in this matter? For example if NCRA can provide him with accommodation IUCAA could provide some living expenses or vice versa.

with best regards,

yours sincerely,

Paddy

copy : JVN

Date: Tue, 2 Jun 1998 13:45:14 -0700
From: TK Menon <menon@astro.ubc.ca>
To: Jayant@iucaa.ernet.in
Cc: menon@astro.ubc.ca
Subject: Visit to Pune

Dear Jayant,

I am in the process of arranging to visit India for a few months during the coming winter from about Oct 15 to the end of March,1999. During this period I plan to spend about a month in Bombay at TIFR interacting with the astrophysics group there and about three months in Pune at NCRA and IUCAA together. Our present plans are to spend Oct 15th to Nov 15th in Bombay and then move on to Pune for a month and come back to Pune again from the end of Jan to about the end of March. In connection with this visit I would like to know whether Rama and I could have some type of accommodation at either at NCRA or IUCAA during our stay in PUNE. I am also sending a similar message to Vijay about this. If this is possible I shall let you know the exact dates after my travel arrangements are confirmed. Hoping to hear from you soon and with best regards to you and Mangala

Sincerely yours,

Kochu

T.K.Menon

Visitors

SSC Gen soft

ashish kothari

From: ashish kothari <ashish@nda.vsnl.net.in>
To: C. Renuka <biotech@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: Additonal addresses
Date: Friday, March 17, 2000 1:08 PM

Dear Anil/Renuka,

I am sending the addresses that were marked against my name.

I have not heard from you re: the SSC and TWG lists...PLEASE SEND THESE TO ALL MEMBERS IN ADVANCE OF THE MEETING, SO THAT THEY COME PREPARED WITH THE MISSING CONTACT DETAILS AND ANY ADDITIONAL NAMES.

Ashish

Rauf Ali
Aurodam, Auroville
Villupuram District 605101
Tamil Nadu
Email: rauf@auroville.org.in

Kishore Rithe
Nature Conservation Society Amravati
Prathishtha
Bharat Nagar, Akoli Road, Near Sai Nagar
Amravati 444605
Tel: 0721-670308
Fax: 0721-672359
Email: ncsa@bom3.vsnl.net.in

A.K. Ghosh
Centre for Environment and Development
329 Jodhpur Park
Calcutta 700068
Tel: 033-4731519, 4734837
Fax: 033-4132626
Email: ges@cal.vsnl.net.in

Soumyadeep Dutta
Nature's Beckon
"Datta Bari", Ward No. 1
Dhubri 783301
Assam
Tel: 03662-20167 (off.); 03662-20503 (res.)
Fax: 03662-20076

Suresh Sharma
Gokul Nagar, Rohtak Road
Sonipat 131001
Haryana
Tel: 01264-45228 (from Delhi 9145228)
Email: sureshcsharma@yahoo.com

remote host is the given command (*rsh* by default) followed by the hostname, followed by a shell command. This shell command will be invoked remotely to start the LC. For example, suppose this appears in your *.explorerrc* file:

```
host bob -command "myrsh -x"
```

Explorer will invoke

```
myrsh -x bob <special command>
```

to start the LC.

If the word HOST appears in the alternative command, the hostname is placed there instead of at the end. Therefore, you could use the command:

```
host bob -command "rsh HOST -l joe"
```

to start a remote LC under the account "joe" on *bob*.

(Office: Suresh C Sharma, PS
R.No. 50 H Block, DHQ PO
Ministry of Defence,
New Delhi 110011
Telephone: 011-3012264
FAX: 91-11-3015686)

◆ Configuration Commands

The commands that are accepted in an Explorer configuration file are described below. Optional portions are enclosed in square brackets. Ellipses denote that the previous argument may be repeated any number of times. Commands (reserved words) are shown in bold.

❖ modulepath

The modulepath command states where to look for modules.

modulepath [-append] path ...

Normally, this command defines a list of directories to be used. If the "-append" option is used, the existing module path is extended by the list for directories. The default value is:

```
$EXPLORERHOME/modules
```

❖ tempdir

Explorer uses a number of temporary files during its execution. While almost all of these are small, the shared memory arena file can get quite large.

tempdir path

The tempdir command states where to place any temporary files that may be needed during the course of execution, such as named pipes and shared memory arena files, if applicable. Typically, such files are placed in a uniquely named subdirectory of the directory. The default value for the base directory is:

```
/usr/tmp
```

Because shared memory arenas can become large, it is often advantageous to place the *tempdir* somewhere other than below */usr*.

ashish kothari

State Nodal Agency SSC over Cord

From: joy dasgupta <dasjoy@usa.net>
To: ashish@giasdl01.vsnl.net.in
Subject: community
Date: Monday, March 13, 2000 4:39 PM

dear ashish, it was nice to hear about your talk on the national biodiversity action plan at wii, i have got a few addressess about people who can be of some help with regard to the cca survey/formation of nodal agencies,1.Sandeep Sabherwal,vikas mitra,kumarpada,kondagaon 494226,bastar,M.P.2. b.k tewari,head,centre for environmental studies,NEHU,shillong,793022, meghalaya.3.Sobita devi,curator,state musuem,imphal, manipur.4.A.arunachalam,department of forestry,north-eastern regional institute of science and technology,Nirjuli791109,arunachal pradesh.i hope that these addressess will be of some use to you,two small things from my side, you said that you have the address of an ngo in manipur that is organizing against the tipaimukh dam,could you pass me its address,i would be keen to be involved in the working group that deals with culture and diversity, in any way possible.joy

Anil/BCIL asked to add to SSC lists, AHC/14/3/2000

Get free email and a permanent address at http://www.amexmail.com/?A=1

closed form for this in an arbitrary background because the partial differential equation for $G_F(x, y|g)$ has no closed form solution in an arbitrary background. What is more important, *such a propagator cannot be trusted when* $(x-y)^2 < L_P^2$ *since the quantum gravitational fluctuations of the background geometry cannot be ignored at these scales* and our approximation of working with a fixed background g_{ik} breaks down. We need to know how the quantum fluctuations of the metric affect the propagator $G_F(x, y|g)$ at these scales.

This is quite a different question from the one usually addressed in the subject of quantum fields in curved spacetime in which one worries how the quantum nature of the scalar field affects the background geometry ('back reaction'). Such an issue can be tackled, for example, by integrating out ϕ in equation (1) and obtaining an effective action for gravity, say. In contrast, we are interested in how the quantum fluctuations of g_{ik} affect the quantum propagator for the scalar field. Formally, if we write $g_{ik} = \bar{g}_{ik} + h_{ik}$, where $\bar{g}_{ik}$ is the, average, large scale spacetime metric and h_{ik} are the small scale quantum fluctuations, then we are interested in the effect of summing over the fluctuations h_{ik} in equation (1) to get low-energy quantum theory for the scalar field in the background metric g_{ik}. The resulting propagator $G_F(x, y|\bar{g})$, for example, can be thought of as the one found by averaging $G_F(x, y|g)$ over the quantum fluctuations in g_{ik} around $\bar{g}_{ik}$. In particular, $\bar{g}_{ik}$ could just be flat spacetime metric η_{ik}. Even in this case, we expect the quantum fluctuations of gravity to modify the propagator for $(x-y)^2 < L_p^2$ (or, in momentum space, for $(p^2+m^2)L_p^2 > 1$). The concept of a *free* quantum field is an approximate, lower-energy, notion and we do have to change it for $(x-y)^2 < L^2$. (In fact, even the description in terms of a field may be inadequate at short distances and we may need string theory or models based on Ashtekar variables.) Can we capture the key effects quantum gravitational fluctuations by invoking some general principle?

To address this question, it is convenient to write $G_F(x, y|g)$ in an alternative form. We know that the propagator in a given background metric can be expressed in two equivalent forms as

ashish kothari

From: ashish kothari <ashish@nda.vsnl.net.in>
To: bcil <bcil@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: Re: State SC List
Date: Sunday, March 12, 2000 9:01 PM

Dear Anil,

The West Bengal coordinator is S. Das of the Ramakrishna Mission. This and other changes in the list that we discussed on the 11th, will be shown to you by Bansuri.

However, we also found that several addresses that BCIL was to find out, in both the TWG and SSC lists (such as govt. agencies under MoEF...Botanical Survey, Zoological Survey, and so on, or Delhi-based groups), were still blank. Renuka will have notes on which names she had undertaken to find the addresses for. Please do get hold of these so that the missing addresses can be filled in.

Secondly, Renuka's notes should contain a full list of which members had promised to send which addresses...and she was to send each of the members reminders about this. You need to do this at the earliest. If any member is not responding quickly, please let me know.

We now need more or less final TWG and SSC lists by the time of the formal launch (11th April), so please do take this up urgently.

Thanks,
Ashish
Kalpavriksh
Apartment 5, Shree Dutta Krupa
908 Deccan Gymkhana
Pune 411 004, India

Ph. and fax: ++91-20-565 4239
Email: ashish@nda.vsnl.net.in

From: bcil <bcil@giasdl01.vsnl.net.in>
To: ashish kothari <ashish@giasdl01.vsnl.net.in>
Cc: Bansuri Taneja <swansong@giasdl01.vsnl.net.in>
Subject: State SC List
Date: Thursday, March 09, 2000 10:27 PM

Dear Dr. Kothari,

Please find enclosed the State SC List. We have compared both our lists and would like to bring the following to your notice.The remaining have been found to be same.

1) In West Bengal under Nodal Agency, whether Biswajit Roy Choudhary was identified as the key person and Shri S. Das as member. Please clarify.

Indian Institute of Science

Department of Chemical Engineering
Bangalore 560012, INDIA

Prabhu R. Nott
Assistant Professor

7 August, 1997

Dr. Praveer Asthana
Convenor, PAC Non-linear Dynamics
Department of Science and Technology
New Delhi

Dear Dr. Asthana,

This is to inform you that I am keen to collaborate with Dr. T. R. Ramamohan of RRL, Trivandrum on a project entitled "Studies on the possible existence of Chaos in suspensions of spheres in simple shear flow", which he will submit shortly for your consideration. I will endeavour to perform Stokesian Dynamics simulations and experiments of simple shear flow, the results of which he will analyze, as per the time schedule of the project.

With best wishes,

Sincerely yours,

(Prabhu R. Nott)

SSC + Thematic WG's addresses

Typed in

ashish kothari

From: Seema Bhatt <seema1@giasdl01.vsnl.net.in>
To: Ashish Kothari <ashish@giasdl01.vsnl.net.in>
Subject: Addresses
Date: Friday, March 03, 2000 2:58 PM

Dear Ashish,
Here are the addresses I had promised to get. I did get a mail from KCM with the address of the Ramakrishna Mission for West Bengal. He has suggested that you mention his name when you contact them.

Shri. S.Das SSC - co-ord. WB.
Coordinator JFM Project
Ramakrishna Mission Lokasikshka Parishad
Ramakrishna Ashrama
✓ Narendrapur, South 24 Paraganas
West Bengal 743508

Dr Lalit Pande Ed, R, Tr.
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✓ Hanumant Rawat livelihoods, l & b
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✓ Prof.K.C.Malhotra culture + Biodiversity
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Ph: 033 5778085/86
email: res9521@isical.ac.in

✓ Prof. A Damodaran Economics & valuation & biodiv.
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ing the sign of the external magnetic field and obtaining the free Hamiltonian in Eq.(10) instead of Eq.(14)) and localise 2η units of flux per particle, thus converting them to a different kind of composite fermion. In other words, the Hamiltonian that we have written down in Eq.(1) is equivalent to the Hamiltonian in Eq.(14), which is appropriate for the FQHE, at a mean field level. The interesting feature of this picture is that at the mean field level itself, the Laughlin wave-function emerges as an exact ground state.

However, we should point out that this scenario does not lead to a particularly useful mean field approximation. As compared to the original Hamiltonian in Eq.(14) plus the Coulomb interaction, the Hamiltonian in Eq.(1) is not really simpler. Its only virtue is that it can be solved exactly for the ground state.

For completeness, we also compare our vector potential with yet another vector potential in the literature discussed by Rajaraman and Sondhi[8]. A quantum mechanical analogue of their field theory involves starting with the non-interacting Hamiltonian in Eq.(14) and making a non-unitary transformation on the wave-function as

$$\psi \rightarrow \psi' = e^{(\eta-1)\ln f}\psi = \prod_{i<j}^{N}(z_i - z_j)^{(\eta-1)}\psi \tag{18}$$

for a fermion to fermion transformation. (Note that the transformation function is purely analytic, in contrast to the transformations in Eqs(11) and (16).) Under this transformation, the usual harmonic oscillator creation and annihilation operators transform as

$$b_i = \frac{1}{\sqrt{2}}\ (-2\frac{\partial}{\partial z_i^*} + \frac{z_i}{2}) \rightarrow b_i' = b_i \tag{19}$$

(since $\frac{\partial}{\partial z_i^*}\ln f = 0$) and

$$b_i^\dagger = \frac{1}{\sqrt{2}}\ (2\frac{\partial}{\partial z_i} + \frac{z_i^*}{2}) \rightarrow b_i'^\dagger = \frac{1}{\sqrt{2}}\ (2\frac{\partial}{\partial z_i} + 2(\eta-1)\frac{\partial}{\partial z_i}\ln f + \frac{z_i^*}{2}). \tag{20}$$

The Hamiltonian is then constructed as

$$H = \sum_i^N b_i'^\dagger b_i + \frac{N\omega}{2}. \tag{21}$$

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SAKSHAM SSC
C/o VIKSAT
Nehru Foundation for Development
Thaltej Tekra
Ahmedabad
Gujarat 380054

We identify $V^C = -i(\eta-1)\vec{\nabla}_i \ln f$ as a complex vector (CV) potential. But for the inessential difference that the vector field introduced in Ref.[8] includes the constant external magnetic field as well, this CV field (upto a phase redefinition) is the same vector field introduced by them in a field theoretic context.

Thus, under the transformation on the wave-function given in Eq.(18) accompanied by the following transformation on the complex vector field,

$$V^C \to V^{C'} = 0 - i(\eta - 1)\sum_{j\neq i}^{N} \ln(z_i - z_j), \tag{22}$$

the non-interacting Hamiltonian in Eq.(14) gets precisely transformed to the interacting Hamiltonian in Eq.(21). Note that the the Hamiltonian in Eq.(21) is not naively hermitean. However, by defining a new inner product in the Hilbert space

$$< \psi|O|\phi >= \int \psi^* O\phi e^{-(\eta-1)(\ln f + \ln \bar{f})} d^2x \tag{23}$$

analogous to the field redefinitions made in Ref.[8], the Hamiltonian becomes hermitean because

$$\int \psi^*(b_i\phi)e^{-(\eta-1)(\ln f+\ln \bar{f})}d^2x = \int (b_i'^{\dagger}\psi)^*\phi e^{-(\eta-1)(\ln f+\ln \bar{f})}d^2x. \tag{24}$$

Hence, the Rajaraman-Sondhi Hamiltonian is hermitean although it has been obtained by a non-unitary transformation.

The CV field attaches 'fat' vortices to fermions, unlike the CS gauge field which attaches infinitesimal flux-tubes, where only the phase is relevant. This is closer to Jain's picture, where he attaches 'fat' vortices to electrons to turn them into composite fermions. The 'fat' vortex factors increase the degree of the polynomial and consequently, the area occupied by the particles in the circular droplet. However, the magnetic field B and the total number of particles N remain fixed. This means that the density of the particles has decreased. Hence, adding 'fat' vortex factors changes the filling fraction and is *not* a gauge transformation.

The CV field has a representation in terms of the CS gauge field. In fact, it is easy to check from the explicit definitions of the CS field and the CV field that

$$\mathbf{V}^C = i\mathbf{a}^{\mathrm{CS}} + \hat{z} \times \mathbf{a}^{\mathrm{CS}}. \tag{25}$$