

CARROLL LOUIS WILSON  
MC 29 BOX 54 F 2092

Club of Rome: Correspondence, 1970

DK

November 3, 1970

Dott. Aurelio Peccei  
Administratore Delegato  
Italconsult  
00147 Rome  
Via Gioggaune 163  
Italy

Dear Aurelio:

If you do not know my friend Max Stern in Paris I hope you may meet him soon. He is very much interested in the Club of Rome project. We had a seminar on Urban Dynamics yesterday with M. Stern and his colleagues (list enclosed) with Professor John Collins and Dr. Barney, one of Forrester's associates. I've talked with Dennis Meadows about stopping in Paris about 1 December.

Max Stern was advisor to the Ministre de l'Equipment for several years, a leading Urban authority and most intelligent and charming man. He organized this visit to the U.S. by members of the Region Parisienne. Max would be a very good addition to the Club of Rome when you are taking in new members. He is now in private business in Paris. I wish that I might bring you two together but see little opportunity soon. I hope you may phone him and arrange a meeting when you are next in Paris.

Sincerely,

Carroll L. Wilson

cc: D.L. Meadows  
J.W. Forrester

CLW/d



CLUB OF ROME

Massachusetts Institute of Technology  
Alfred P. Sloan School of Management  
50 Memorial Drive  
Cambridge, Massachusetts, 02139

Memorandum

To: J. W. Forrester, G. S. Brown, J. Collins, C. Wilson, J. A. Seeger

From: Dennis L. Meadows

Date: December 13, 1970

Subject: Attendance and Schedule of Club of Rome meeting, December 18,  
Cambridge, Massachusetts

Planning to attend the conference are:

- Dr. Hugo Thiemann
- Dr. Aurelio Peccei
- Dr. Vittorio Giarini (of Battelle Institute)
- Dr. Yoichi Kaya (Director Japanese Project)
- Prof. Jay W. Forrester
- Dr. Gyorgy Kepes
- Dr. John Platt
- Dr. Paul Weiss
- Mr. J. R. Whitehead
- Mr. Pierre R. Gendron
- Dr. Strong (Director of 1972 Stockholm Conference on the Environment)

The schedule for Friday, December 18 is as follows:

11:00 a.m.	Jay's office
12:00 p.m.	Lunch (Faculty Club)
1:30 p.m.	Schell Room
to 5:00 p.m.	***

DLM:jm

yes - C. W. Meadows, M. J. Merford, J. W. Forrester, B. J. Barz, S. C. Schumbar - L. C.



Massachusetts Institute of Technology  
 Alfred P. Sloan School of Management  
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DLM:jm

yes - Comments: Muepford  
 Jul  
 Bang  
 Schumbauer - Lu

November 2, 1970

M. Max Stern  
41, Avenue Hoche  
Paris VIII  
France

Dear Max:

Yesterday is a day we will remember at Jacobs Hill. Mary and I greatly appreciated the opportunity of welcoming you and your very interesting associates at Jacobs Hill. I hope that our dialogue on urban dynamics which we began yesterday will continue in the future and include Jay Forrester also.

Today I am dispatching twelve copies of the SCEP Report to Andre Laure and will appreciate his distributing them to members of your party. John Collins will make similar arrangements soon on the Urban Dynamics book.

Today I spoke with Professor Dennis Meadows, Forrester's colleague who is in charge of the Club of Rome project at M.I.T. I told him I had sent you a copy of Forrester's testimony before the House Committee and you had expressed keen interest in this World model.

Meadows must be in Geneva December 2 or 3 for several days. He could stop in Paris on November 30 or December 1st to meet and explain the project to you and others you might wish to gather together. I find this project exceedingly interesting--and sobering. Soon I will send you twelve copies of the revised Forrester statement and curves and a complementary memo by Meadows.

My own plans are to go to London Thursday, November 12th--then to Ditchley Park near Oxford for a conference on Environmental Control which concludes the evening of the 15th November. I take a train which brings me to Paddington at 9:20 a.m. I will then go to Cambridge and return to Boston on the 17th. I could meet you for a few hours Monday morning the 16th in London if you would like to do so. Actually, I think that if Meadows could stop for a day in Paris he could give you and others a full picture of the project and the focus of attention at M.I.T. this year. Meadows speaks English and German, but no French--alas.

If you would like to meet me in London I would, of course, be delighted to see you and suggest we meet at the Wellcome Foundation, Wellcome Building, Euston Road, London, NW1. This is very near Paddington station and I am sure that my friend Sir Michael Perrin, Chairman of the Foundation would be glad to provide an office for our meeting. I shall stay the night of the 12th with Mary's brother, C.C. Bischoff at 9 Berkeley Gardens, London W5 and a message would reach me there.

I regret that it did not occur to me to say farewell to your group in French yesterday and to recall my first meeting with Paul Delaunay in 1965 and subsequent visits to the rue Barbet Jouy to hear of his campaigns and battles so vividly presented on his wall maps.

Our countries will make enormous investments in our cities in the next 30 years. We are certain to improve by a few percent the effectiveness of the many Billion of dollars which will be spent through sharing experience and methodology. Even one percent of \$500 billion is \$5 billion. How wise could one earn \$5 billion?

Mary joins me in sending our best wishes to you and your wife. We hope to see her at Jacobs Hill the next time.

Sincerely,

Carroll L. Wilson

- cc: A. Pecci
- J.W. Forrester
- DDL. Meadows

CLW/d

# THE CLUB OF ROME

Professor Carroll L. WILSON  
Sloan School of Management  
Massachusetts Institute of Technology  
50, Memorial Drive  
CAMBRIDGE, Mass. 02139 (U.S.A.)

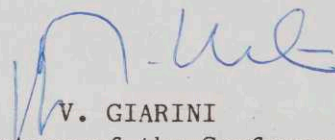
Geneva, June 12, 1970.

Dear Sir,

We have pleasure in sending you herewith some additional information on the Conference of Bern, June 29 and 30, 1970.

You will also find enclosed a copy of the letter of invitation from the Swiss Government.

Yours sincerely,



V. GIARDINI  
Secretary of the Conference  
Club of Rome

Secretariat:

- Rome: Via Pastrengo 16, 00185 Rome - phone: 480041 - telex: Tecnital 61497 - cables: Romclub

Offices:

- Geneva: c/o Institut Battelle, 7 rue de Drize, 1227 Carouge, Geneva - phone: 423250 - telex: Batel 23472 - cables: Battelle
- Tokyo: c/o Japan Techno-Economics Society, Masuda Building, 4-5 Iidabashi, 2-Chome, Chiyoda-ku, Tokyo - phone: 2635501

ADDITIONAL INFORMATION

1. Place of the Symposium

The Symposium will take place at the Hotel Bellevue Palace, Kochergasse, Bern, Switzerland.

Monday, June 29 : from 9.30 a.m. registration of Members at the entrance of the "Salon rouge".

All sessions will be held in the "Salon rouge".

Tuesday, June 30 : All sessions : East Hall.

Luncheon given by the Swiss Federal Council : West Hall.

The Bellevue Palace is a short taxi ride from the Bern main railway station (BERN SBB). Those arriving by plane at Belpmoos, the local airport of Bern, may make use of the Swissair bus. However, taking into account that plane schedules between the international airport of Geneva, respectively Zurich, and Belpmoos-Bern are not very frequent, Members may prefer to take the two hours train ride from Geneva or Zurich to Bern. Your travel office or the Swissair representation in or near your city will be glad to assist you in your travel plans. Members are advised to arrive in Bern on Sunday 28th June and confirm their hotel reservation as suggested hereafter.

2. Hotel reservation

Hotel rooms with breakfast are provided by courtesy of the Swiss Government from June 28 to June 30. Members who have not yet done it are therefore kindly requested to airmail, cable or telex their confirmation to :

Mailing address: Club of Rome  
Secrétariat de la Conférence de Berne  
Dr. V. Giarini  
c/o Institut Battelle  
7, route de Drize  
CH-1227 CAROUGE/GENEVE (Switzerland)

Cable address: BATTLE GENEVE

Telex: 23-472 BATEL CH

Please also indicate date of arrival and departure as well as your exact address for the purpose of re-confirmation.



3. Lodgings

Members will be quartered in various first class hotels within short walking distance of the Hotel Bellevue Palace where the sessions will be held. Rooms with bath or shower have been tentatively booked. As outlined before Members will be guests of the Federal Government which will assume the charges for hotel rooms including breakfast. In order to prevent any misunderstanding on the part of the hotel management, Members are kindly requested to assume those charges not covered by the above arrangement.

4. Secretariate

During the Symposium a secretariate will be established at the Hotel Bellevue Palace.

5. Parking

Members arriving by car may make use of the Bellevue Garage adjacent to the hotel.

6. Clothing

As the climate in late June is expected to be quite warm Members will prefer to wear light suits. At the official luncheon a dark business suit will be quite in accordance with the local custom.

7. Shopping

Department stores, drugstores as well as tobacco shops etc. are only a few steps from the Bellevue Palace Hotel and will be open as of Monday afternoon.

8. Press

The press will have free access to the meetings of June 30.

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LE CHEF  
DU  
DÉPARTEMENT POLITIQUE FÉDÉRAL

Berne, le 9 juin 1970

Monsieur Hugo Thiemann  
Directeur général de  
l'Institut Battelle  
Route de Drize 7  
1227 Carouge - Genève

Monsieur le Directeur,

J'ai le plaisir de vous confirmer que le Conseil fédéral est heureux d'inviter le "Club de Rome" à Berne pour sa réunion constitutive les 29 et 30 juin 1970.

Les autorités fédérales prêteront leur concours dans la mesure indiquée dans la lettre que nous vous avons envoyée le 2 juin. Vous m'obligeriez en invitant directement les membres du "Club de Rome" et en les informant de ce qui précède.

En formant des vœux pour le plein succès de cette manifestation, je vous prie d'agréer, Monsieur le Directeur, l'assurance de ma considération distinguée.

C. N. A. U. I.

# THE CLUB OF ROME

Professor Carroll L. WILSON  
Sloan School of Management  
Massachusetts Institute of Technology  
50, Memorial Drive  
Cambridge, Mass. 02139

Geneva, June 3, 1970

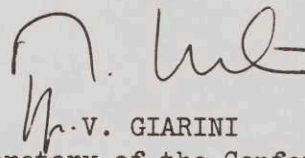
Dear Sir,

Please find herewith the proposed agenda for the Assembly of the Members of the Club of Rome of Monday June 29 and the Conference of Tuesday June 30.

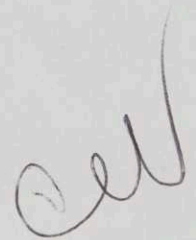
It has been decided that, as all Members speak English, there will be no translation on June 29. Simultaneous translation will be available from French to English and from German to English on Tuesday 30.

Because of the short time available we kindly remind those Members who have not yet answered the letter of Mr. Peccei dated May 21, 1970, to send back as soon as possible to the undersigned the application form concerning the abovementioned Meeting.

Yours sincerely,



M. V. GIARINI  
Secretary of the Conference  
Club of Rome



Secretariat:

- Rome: Via Pastrengo 16, 00185 Rome - phone: 480041 - telex: Tecnital 61497 - cables: Romclub

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- Tokyo: c/o Japan Techno-Economics Society, Masuda Building, 4-5 Iidabashi, 2-Chome, Chiyoda-ku, Tokyo - phone: 2635501

THE CLUB OF ROME

CONFERENCE OF BERN, June 29 and 30, 1970

Place of the Meeting and Secretariat :

Hotel BELLEVUE PALACE

Kochergasse

3000 BERN (Switzerland)

cables : Palacehotel Bern

telex : 32124

phone : (031) 22.45.81

# THE CLUB OF ROME

## GENERAL MEETING OF THE CLUB OF ROME

Bern, Monday June 29, 1970

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### PROGRAMME

- 9.30 a.m. Registration of Participants
- 10.30 a.m. Informal Meeting of Participants
- 1.00 p.m. Lunch
- 3.00 p.m. General Assembly of the Club of Rome

#### Agenda

- 1. Report on activity
  - 2. The "Predicament of Mankind" Project
  - 3. Other future activities
  - 4. Membership
  - 5. Executive Committee
  - 6. Incorporation
  - 7. Funding
  - 8. Relations with other Organizations
  - 9. Conference with Swiss Authorities and Personalities (June 30, 1970)
  - 10. Others
- 6.00 p.m. Press briefing
  - 8.00 p.m. Dinner

The Assembly will be held in English.

# THE CLUB OF ROME

MEETING OF THE CLUB OF ROME  
on invitation of the Swiss Government  
Bern, Tuesday June 30, 1970

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## PROGRAMME

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- 9.00 a.m. Opening of the session  
Chairman : Professor Olivier REVERDIN, President, Consultative  
Assembly of the Council of Europe, President of Swiss  
Science Council, Member of the Swiss House of  
Representatives
- 9.15 a.m. The critical world situation  
Professor Jacques FREYMOND, Directeur, Institut Universitaire de  
Hautes Etudes Internationales
- 9.45 a.m. What has been done to face this situation  
Dr. Alexander KING, Director General for Scientific Affairs,  
O.E.C.D.
- 10.00 a.m. Why the Club of Rome  
Professor Dr. Ing. Eduard PESTEL, Rektor, Institut für Mechanik,  
Technische Universität Hannover
- 10.15 a.m. The activities of the Club of Rome  
Dr. Aurelio PECCEI, Managing Director, Italconsult, Roma
- 10.30 a.m. Coffee break
- 11.00 a.m. Presentation of the Project "Predicament of Mankind"  
Professor Hasan OZBEKHAN, General Manager International Development  
and Director of Planning, Worldwide Information Systems Inc.,  
Los Angeles
- 11.30 a.m. The framework for the execution of the Project in Switzerland  
Dr. Hugo THIEMANN, Directeur Général, Institut Battelle, Geneva
- 1.00 p.m. Luncheon given by the Swiss Federal Council in honour of the Club  
of Rome and Swiss guests
- 3.00 p.m. Debate
- 4.30 p.m. Summary and conclusion

# THE CLUB OF ROME

AUG 7 1970

( Provisional letter paper )

Rome, July 31, 1970  
DAP/amp

Prof. Carroll L. Wilson  
Sloan School of Management  
Massachusetts Institute of Technology  
50, Memorial Drive  
Cambridge, Mass. 02139

Dear

*Professor Wilson,*

This letter is addressed to you and to all other Club members to inform you succinctly about the general meeting held in Bern on June 29 and the Conference with Swiss political, scientific, industrial and banking personalities the following day. As you know, the Bern convocation was made on the invitation of the Swiss Federal Council, which is the highest political authority of Switzerland, which wanted thereby to show its acknowledgement of and interest in The Club of Rome and its aims. I will report herein also on some relevant activities developed since the Bern meeting.

1. General Meeting of Members (June 29, 1970).

The list of members who were able to attend is shown in Annex 1. Most of the other members sent letters or cables expressing interest, and regret at not being able to attend.

It is not possible to make a resumé of the lively discussion which characterized the two sessions (morning and afternoon) of the meeting. In the opinion of most of those present, it was carried out at a very high intellectual level, and it afforded a keen and penetrating insight into the present, troubled situation of human society, and a first-class debate on how its further degradation can be halted and its future developments put under control--notwithstanding the recognized, extreme difficulty of overcoming the inertia and confusion now prevailing in the general conduct of human affairs. The particularly high quality of the meeting was only to be expected as it was the first time our members had gathered in conspicuous numbers to go over the topics which constitute their common concern.

The trait of informality having been followed throughout, the agenda of the meeting (Annex 2) was only indicative. I will

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limit myself here to sending a few notes (Annex 3) made by Dr. Giardini--who, with M. Lorthioir, successfully organized the convocation--though they refer to some aspects of the discussion only, and do not bring out the essence of many of the valuable contributions offered by the participants. And I will add information on some specific points, which complete the report I made during the Conference with Swiss personalities (see Annex 9).

Membership of the Club on June 24 was as it appears in Annex 4. The Bern meeting provided an opportunity to examine how to expand this in order to include some other disciplines and to blend into our group the contribution of other cultures presently not adequately represented in it. For instance, with T.A. Lambo the participation that can and should be sought from Africa was examined. But very much has still to be done actively to involve eminent scientific and intellectual leaders from other parts of the world in The Club of Rome thinking and postures. Dr. Jermen M. Gvishiani, Vice Chairman of the State Committee of the USSR Council of Ministers for Science and Technology was invited to attend the Bern convocation as our guest, as he did the meeting we had with the Austrian Government last December, but this time previous engagements prevented him from coming. Particularly with him we are continuing to explore Soviet participation in the Club or in its activity. On these points I will report further according to developments.

The incorporation of The Club of Rome as a private association under the Swiss civil code has been filed in the Canton of Geneva. A copy of the Statutes is attached herewith (Annex 5). As you will see, the Executive Committee, initially composed of six members, can be modified, and brought up to 12 members by co-optation. There was consensus that any such expansion should aim at strengthening it particularly with men of vision and sound judgment who can contribute, also by their personal activity, toward a transnational, multicultural and more creative understanding of world problems. Also on this matter I will report again as circumstances advise.



The Predicament of Mankind Project, designed to outline the study activity envisaged for the near future, was attentively examined. The initial draft of the Predicament of Mankind Project, in the same way it had been submitted to members for their comments and criticism, had also been sent to the Stiftung Volkswagenwerke (Volkswagen Foundation=VW) in Hannover with a request for funds. However there had not been time to discuss with VW experts some aspects of the methodology (white pages of the prospectus) nor to submit the Outline of Work Program document which in the meantime you and the other Club members have received. Therefore, as reported in Bern by Eduard Pestel--who is also one of the trustees of that Foundation who met a few days before our meeting--VW did examine our request but postponed a decision on it in order that we may clarify and modify some points of our submission and relative documents. These points concern chiefly methodology, and also personnel, budget and contingency costs. To enable The Club of Rome to prepare and work out the Project in this sense, VW granted a sum of DM200,000 (\$55,000 approx.).

The question of the methodology or methodologies to be followed seemed central for the attainment of our objectives both for the short term (to engage important decision centers to reappraise realistically and without delay the grave situation of the world considered as a whole, not fragmentarily) and the long term (to contribute to the adoption of normative guidelines capable of safeguarding the future of human society). Therefore this point was particularly discussed, and Jay Forrester suggested that he believed that a suitable methodology to be applied to our Project had been developed at the Massachusetts Institute of Technology (MIT) in connection with the work which had been done to study the dynamics of large and complex systems where also human and social factors interact. These techniques are generally known as 'industrial dynamics' from their early application to corporate problems. Forrester's invitation was accepted to carry out a seminar and work sessions at MIT in Boston in order to ascertain further the adaptability of these techniques to our purpose and, in the affirmative, to prepare the Project or part of it accordingly, and thereby renew our request for VW sponsorship.

Finally, I am glad to inform you that the Canadian participants suggested that the next general assembly of The Club of Rome members should be held in Canada. The beginning of April 1971 was tentatively indicated as a suitable period. I will return on this as soon as possible.

2. Conference with Swiss Personalities (June 30, 1970).

This was likewise held in Bern, the Swiss Federal Council being represented by one of its seven members, M. Nello Celio (Conseiller Fédéral, Département des Finances et des Douanes de la Confédération Suisse). The other Swiss participants are those indicated in the list herewith (Annex 6). M. Celio clearly expressed the wish of Switzerland to give recognition to The Club of Rome objectives, and moral support to its action. After his speech the morning session was dedicated to the presentation of The Club of Rome rationale by some of our members. You may wish to have some of their speeches, and therefore I am enclosing a copy of the papers made available by Jacques Freymond (on the critical world situation--Annex 7), Alexander King (on what little is being done to meet this situation--Annex 8) and Aurelio Peccei (on The Club of Rome posture and proposed activity--Annex 9). Hasan Ozbekhan illustrated The Predicament of Mankind Project, and Hugo Thiemann the framework for the work to be carried out in Geneva (Annex 10). The afternoon session was dedicated to discussion.

After the Conference, reports reached us that it was considered very interesting and important by the Swiss participants, both in enlarging their horizons and in convincing them that our effort must be supported.

3. Seminar and Workshops in Boston (July 20 to 30).

Members have received from Jay Forrester two memoranda dated July 3 and 8 outlining a plan of activities for this meeting. The intensive program therein indicated has been accomplished, and--after a thorough discussion of the avenues which the proposed 'industrial dynamics (ID) methodology may open up for a reshaping and the execution of our Project--some

preliminary conclusions were reached by those Executive Committee members who were present. Let me try to report to you in as orderly a way as I can the results of the Boston meeting.

First of all, what was necessary was to peruse in some detail, discuss and evaluate the ID method and techniques with a view to assessing whether and under what conditions they can apply to study, reproduce by models, and understand the dynamic behavior of complex, high-order, multi-loop, non-linear feedback systems--which is the problem we propose to tackle in dealing with the situations which are developing in the world. Professor Forrester and his associates made an admirable effort, after Bern, to organize this 'ad hoc' seminar on highly effective bases. A model called 'World 1' of certain interacting factors which may be considered relevant or exemplificatory was prepared, a large series of computer runs were then made to explore the model's behavior according to the logic and hypothesis adopted, and finally the model was somewhat modified to reach a higher, though still very preliminary, level of representativity of world reality ('World 2'). The purpose of modelling is of course that of substituting for the verbal and conceptual description of a system that of a formal simulation model, which is as good as its capacity to put together the relevant critical dynamic elements of the real world. But the kind of thinking this operation generates--as occurs in our case--is an invaluable asset by itself in fostering a keener understanding of the complexities and workings of large systems.

The flow diagram of 'World 2' and an example of a computer plot are attached (Annexes 11 and 12). For those who might be interested, I enclose also: a list of participants in the seminar (Annex 13), program executed (Annex 14) and index of the reference and working documents used in the seminar (Annexes 15 and 16), noting that those more directly related to the 'World 2' exercise are those listed in Book 2 under the letter G. If you are interested in receiving any of them, you may write Mr. John A. Seeger, Administrative Officer, Dynamics Group, MIT, Sloan School of Management, 50 Memorial Drive, Cambridge, Massachusetts, 02139, USA.

Besides acquiring an effective grasp on Professor Forrester's

proposed social dynamics method and judging its applicability, to which question an affirmative answer was given (for conducting a first, significative phase of our Project), the work at Boston was aimed at organizing our activity with respect to the Project in the immediate future. The Executive Committee members present had long sessions in this respect with Jay Forrester, consulted with the other colleagues present, and reached a majority decision on principle.

'World 3' which we used in Boston is still a rather simple dynamic model which interrelates five main, 'level' variables-- population, capital investment, food production, natural resources and pollution--among themselves and with six 'rate' variables and other auxiliary factors, leading to the establishment of some 40 non-linear equations permitting very interesting and, to the best of our judgment, meaningful computer simulations on the base of already tested software. The degree of aggregation adopted is the world as a whole.

The decision mentioned above is to consider two phases in the development of our modified Project: the first phase to be executed mainly in Boston using ID methodology, and technical support, personnel and experience available at MIT; and the second phase to be carried out in Geneva by a larger and more diversified team which may and probably will use also such other methodologies as it may deem necessary.

Phase One will start immediately and it is expected to be concluded by June 1971. It will be based on a 'World 3' model (a more advanced development of 'World 2') whose configuration will be defined after consulting international Organizations during the next few months. The level of aggregation will still be the world, not only because of the difficulty of devising, at this stage, meaningfully and by rational procedures, a hierarchy of subsystems and then correlating them mutually and with the world system, but also because we have reached a point in our planet when many of the critical data of the smaller problems or systems do essentially depend on how the larger system behaves. The project leader for this phase will be Professor Dennis L. Meadows of MIT, while Professor Jay W. Forrester will provide general guidance, being assisted for this purpose by Professors Gordon S. Brown and John F. Collins, all of MIT. A compre-

hensive Report will be made at the end of Phase One, with a whole set of computerized projections which represent simulations of alternative future situations obtained by using a variety of assumptions, and which we are confident will realistically--and probably dramatically--illustrate what the predicament mankind has worked itself into actually is.

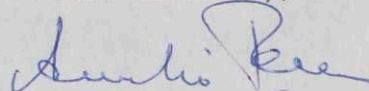
VW will be asked to extend its initial grant in order to cover the total cost of Phase One, and the decision--hopefully positive--is expected to take place in November. Between now and then activities can be carried on using the balance of the initial grant, and advances from other funds on hand if necessary.

Phase Two should be organized while Phase One is being carried out, and should start as soon as possible thereafter. It will have a broader scope, draw from more diversified talents, use a wider range of methodologies, and require larger financial means. It will greatly benefit from the experience gathered during Phase One, which we hope will give us, as well as our sponsors and the entities which will morally and technically support The Club of Rome, a clearer vision of how the wide-based effort to guide ourselves in the modern world we advocate can be organized. What may now be envisaged is that during Phase Two, besides modeling something such as 'World 4', different levels of data aggregation may be considered, and an attempt made at including long-range normative goals. If we are successful in presenting our case, funding of Phase Two may become multinational. There will however be ample time to discuss Phase Two during the next few months, and certainly at the next general assembly foreseen for April 1971.

I hope I have given you a fairly complete picture of developments so far. If you need any other data, please let me know, while your comments and suggestions will be highly appreciated.

Best personal regards,

Yours sincerely,



Aurelio Peccei

*I was very sorry that your Seminar at Williams College prevented me to see you during our last days in Boston. They were very fruitful, and I hope that Jay Forester will give you more details on the work which has been done. I would like to talk to you in the near future to plan ahead. As I have to come to Boston fairly soon, I will let you know. All my best of.*

P. S. :

Due to their bulk, the annexes will be sent under separate cover.

They are:

- Annex 1: List of members who attended Bern meetings
- Annex 2: Agenda of Bern meetings
- Annex 3: Dr. Giarini's notes
- Annex 4: Membership as of June 24, 1970
- Annex 5: Statutes
- Annex 6: Swiss participants in Bern Conference
- Annex 7: Prof. Freymond's speech
- Annex 8: Dr. King's speech
- Annex 9: Dr. Peccei's speech
- Annex 10: Dr. Thiemann's speech
- Annex 11: Flow diagram of 'World 2'
- Annex 12: Example of computer plot
- Annex 13: Participants in Boston Seminar
- Annex 14: Program of Boston Seminar
- Annex 15: Index of reference and background documents, Boston Seminar
- Annex 16: Index of working documents, Boston Seminar.

June 1, 1970

Dr. Aurelio Peccei  
The Club of Rome  
Via Pastrengo 16  
00185 Rome, Italy

Dear Aurelio:

It is a matter of keen regret to me that I shall miss the meeting of the Club of Rome June 29th and 30th. I am directing a month-long summer study on the effects of pollution of the oceans and atmosphere on climate. This is announced in the enclosure and it will keep me completely occupied from late June until August. The subject of that study is not unrelated to the "Predicament of Mankind" and we shall have some of the best "environmental modelers" in the world among our participants. Even our ecological studies are relatively simple compared with the Club of Rome project which I find most challenging and I hope a way will be found to launch it.

Sincerely,

Carroll L. Wilson

CLW:F

Enclosure

cc: Dr. V. Giarini  
Club of Rome  
c/o Institut Battelle  
7, route de Drize  
CH-1227 Carouge, Geneva  
Switzerland

# THE CLUB OF ROME

Professor Carroll L. WILSON  
Sloan School of Management  
Massachusetts Institute of Technology    Geneva, May 21, 1970.  
50, Memorial Drive  
Cambridge, Mass. 02139.

Dear Sir,

As many of the Members know, a General Meeting of the Members of the Club of Rome has been planned for June 29 and 30, 1970. Many Members have already confirmed that they can attend it at such dates.

The present letter is addressed to all of you as a confirmation, and also in order to give the details about the Meeting which would take place in Bern to respond to a kind invitation of the Swiss Federal Council which has offered its collaboration for the presentation on that occasion of the Club of Rome and the "Predicament of Mankind" Project to a selected group of Scientists, Intellectuals and Business Leaders of Switzerland. The Bern convocation will therefore consist of two parts :

- the first General Meeting of the Club of Rome ;
- the Conference with Swiss Authorities and personalities.

You will receive further notice and more detailed information when our arrangement with the Swiss Authorities will have been completed towards the end of this month. We are giving you herewith the information available to-day and ask your kind co-operation by returning, at your earliest convenience, an answer with your advice.

## Date of the Convocation.

The Meeting and Conference will take place in Bern on June 29 and 30, 1970.

Monday June 29 will be devoted to the General Meeting of the Club and informal discussion among Members of the Club of Rome.

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## Secretariat:

- Rome: Via Pastrengo 16, 00185 Rome - phone: 480041 - telex: Tecnital 61497 - cables: Romclub

## Offices:

- Geneva: c/o Institut Battelle, 7 rue de Drize, 1227 Carouge, Geneva - phone: 423250 - telex: Batel 23472 - cables: Battelle
- Tokyo: c/o Japan Techno-Economics Society, Masuda Building, 4-5 Iidabashi, 2-Chome, Chiyoda-ku, Tokyo - phone: 2635501



Members are asked to arrive in Bern if possible Sunday the 28th. However as many of them can only arrive in the morning of Monday the 29th, the full Meeting of the Members will take place on the 29th at 2 p.m. During the morning of that day and after the General Meeting, there will be informal discussions among Members.

Tuesday June 30 will be dedicated to the Conference with Swiss Authorities and personalities.

Accommodation in Bern.

Hospitality will be offered to all Members as from the evening of Sunday the 28th through Wednesday morning for those Members who want to stay in Bern also Tuesday night. The room in hotel and meals for Members and their wives will be included.

A programme for the Ladies who wish to participate will be prepared. Please fill in the corresponding section of the attached questionnaire.

Travel facilities.

For those Members whose passage cannot be charged to their own organization, a return ticket to Bern from their place of residence will be provided. We are sorry that this can be done for the Members only, not for their spouses. In accordance to what is done also in other similar occasions, the travel will be in economic class, and we apologize for those of the Members who will come to Bern from further away. Please fill in the section of the questionnaire according to your own requirements. For those concerned, indication will be given as soon as possible as to where they can collect the air-tickets. For those who might already have bought directly their air-ticket, refund will be made in Bern.

The nearest international airports to Bern are Zurich and Geneva. Tickets will also cover the Zurich-Bern or Geneva-Bern portion ; in appendix herewith you will find the train connexions between these cities, as train may perhaps be the best solution to get to Bern.

General Meeting of Members.

This will be the first getting together of the Members of the Club of Rome. Due to the extremely informal character of our Association, the official part of the Meeting has been kept as reduced as possible.

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We have interpreted the wish of the Members to give them an opportunity to meet one another in the least formal and most creative person to person basis. Small groups will be formed or organized as wish may be expressed by them. An agenda and some suggestions for the Meeting will be sent to you in the early part of June to facilitate the maximum positive synergies from our first convocation.

The topics which we feel are foremost in the mind of many of our Members are the deteriorating situation in so many vital aspects throughout the world and what a grouping of individuals highly concerned with these questions, as the Club of Rome, can do in these circumstances.

This entails the discussion of the activities to be carried out by the Club of Rome in the next period on the experience of what it has done so far and profiting by the views of all its present Members. The Meeting will have to consider specifically the "Predicament of Mankind" Project, the preparation of which has advanced in the last period and, we hope, will be brought to a well advanced stage before the end of June. All aspects of this Project presentation and implementation will be discussed.

Conference with Swiss Authorities and Personalities.

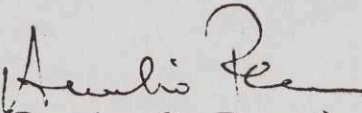
As said, we are in contact with the Swiss Authorities to define the organization of the Conference to which, besides all Members of the Club and many of the key-Officers in the Swiss Administration, some 30 to 40 Swiss leaders in different sectors of activity will be invited.

There will be a presentation by the Club of Rome of our ideas and purposes with history, an illustration of the "Predicament of Mankind" Project, and some exchanges of views with the Swiss hosts and co-guests. We think that this will provide an opportunity for the Swiss leaders to show wide support to our posture and action.

A lunch in the honour of the Club Members will be offered and some other activities arranged.

Further details on the Meeting will be given shortly.

Sincerely yours,

  
(Dr. Aurelio Peccei)

THE CLUB OF ROME

Conference in Bern, June 29 and 30, 1970.

Name :

Address where we can contact you in the next two months :

I shall participate  $\frac{\text{yes}}{\text{no}}$  to the Conference of Bern, June 29 and 30, 1970.

(Please cross out unadequate mention).

I shall arrive in Bern on the ..... June 1970 at ..... o'clock.

I shall leave Bern on the ..... June 1970 at ..... o'clock.

I  $\frac{\text{shall}}{\text{shall not}}$  be accompanied by

I  $\frac{\text{shall}}{\text{shall not}}$  ask for the refund of the travel expenses.

(In case of positive answer please indicate the route you shall follow and the approximate schedule).

Date :

Signature

Please return this application form not later than May 29, 1970 to :

Club of Rome  
Secrétariat de la Conférence de Berne  
Dr V. Giarini  
c/o Institut Battelle  
7, route de Drize  
CH-1227 CAROUGE/GENEVE (Switzerland)

MAIN TRAIN CONNEXIONS.

ZURICH / BERN

Departure Zürich

7.08 a.m.  
8.26 a.m.  
9.32 a.m.  
1.10 p.m.  
2.27 p.m.  
4.20 p.m.  
6.00 p.m.  
7.42 p.m.  
9.15 p.m.  
9.58 p.m.

Arrival Bern

8.38 a.m.  
9.56 a.m.  
11.08 a.m.  
2.40 p.m.  
4.06 p.m.  
5.50 p.m.  
7.30 p.m.  
9.12 p.m.  
11.10 p.m.  
11.34 p.m.

GENEVA / BERN

Departure Geneva

6.50 a.m.  
8.00 a.m.  
9.06 a.m.  
10.40 a.m.  
11.34 a.m. (T.E.E.)  
12.41 a.m.  
4.16 p.m.  
5.39 p.m.  
7.58 p.m.  
9.08 p.m.

Arrival Bern

8.33 a.m.  
9.40 a.m.  
10.55 a.m.  
12.26 a.m.  
1.14 p.m.  
2.21 p.m.  
5.56 p.m.  
7.22 p.m.  
9.41 p.m.  
11.02 p.m.

# THE CLUB OF ROME

Rome, March 4, 1970  
DAP/amp

Professor Carroll L. Wilson  
c/o Dr. Alexander King,  
Director General for Scientific Affairs,  
O. E. C. D. ,  
2, rue André-Pascal,  
Paris XVI, France.

Dear Professor Wilson:

Thank you very much for your letter of February 23. Let me first of all tell you how glad and honored I am that you have accepted to become a member of the Club of Rome, and welcome you in our midst also in the name of my colleagues.

Even if I am repeating what you already know from Alexander King or Erich Jantsch, I think that I should start by saying that the Club of Rome has been initiated by a group of Europeans who are increasingly concerned about the symptoms of breakdown of our society appearing with higher levels of prosperity and the ever quickening application of new technology. A meeting was convened in Rome in April 1968 to discuss these matters and also whether new dynamic planning methods and forecasting techniques could be of use in projecting the importance of many of the complex problems confronting society during the next decades. At the end of this meeting an informal grouping of a number of those present took place and called itself the Club of Rome because of the city of its origin. This has now grown somewhat in size but will be kept at least at present to a maximum of 50 or 60 people, mainly scientists, industrialists, educators etc., none of whom are members of national administrations but have nevertheless considerable influence on government decision makers.

The main idea behind this initiative is that, while this wonderful or terrible technological era has only just begun, human society is already in a state of confusion and actually at a crossroads. By the combination of a variety of phenomena and situations it indeed finds itself confronted with a knot of unprecedentedly large, complex and interlocking problems,

./.

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many of which have or tend to have global dimensions; and people at large seem unable to adjust to these new conditions, while their leaders remain captive of old schemes, showing how incapable they are of producing new ideas and approaches and providing guidance. The result is that mankind, entangled as it has become with this mass of baffling and overwhelming difficulties of political, security, psychological, social, demographic, ecological and also economic nature, is quickly losing its bearings and may lose its spirit; and that a concerted effort must now be made to set it again on a safe and worthy course.

Basically what is needed is a rethinking, re-discovery and reformulation of values consonant with the realities of this turn of history; so that broad goals for man and society be defined, and a new set of institutions and instrumentalities designed adequately to conduct human affairs. But at this time of emergency, the first order of necessity is to stop sinking further in the morass, and to awaken to and better understand the present highly dynamic and dangerous world situation and the kind of futures that may eventuate from it.

The Club of Rome was formed mainly with the objective of provoking this 'prise de conscience' by the intellectual and scientific communities, public opinion and, finally but necessarily, the decision centers of the world. To this effect, pragmatically it was considered that the most important task is to impress on the advanced nations that jointly and severally they are under threat, no less than any other nation; and, as they alone possess technostuctures, information and other organizational and scientific capabilities, that it is their prime interest to get together to meet the common predicament.

To carry out this design, the Club of Rome in the last few months organized a series of contacts outside Europe as well as in Europe itself. We have thus seen a number of key people in Moscow, Washington, Ottawa, Tokyo, Stockholm, Bern, Vienna, and a few other capitals and we have been in contact also with ECOSOC (M. de Seynes) and OECD (Dr. van Lenep). The response has been from mildly to very encouraging, which has prompted us to make a step forward from the phase of pure contacts. I will not overburden you with papers, but you may wish to glance through a Memo of November 6, 1969 (herewith) which illustrates some aspects of this new phase, in which the Club is attempting to work in three directions:

- (a) It is trying to increase awareness in a number of governmental circles in various countries as to the importance, nature and interrelationships of global problems;

- (b) It is hoping to undertake an initial systems modelling of world scope which will help to delineate the problem areas and particularly to estimate the importance of the interactions between them;
- (c) It is promoting in this field cooperation among advanced societies because, whatever their social and economic system, these topics are so complex and unexplored that they form a very useful basis for this cooperation, and also offer an ideal occasion for joint East-West ventures.

As you well understand, it is crucial to present the Club of Rome approach in a coordinated and convincing way, and to this effect we hope to be able to carry out a Project which will be called 'The Predicament of Mankind--Quest for Structured Responses to Growing Worldwide Complexities and Uncertainties'. It will be executed at the Battelle Institute in Geneva under the guidance of Professor Hasan Ozbekhan and we hope that it can be started during summer 1970 and concluded by the end of 1971.

You may find some indications on this Project and some other activities of the Club in the facsimiles of letters dated February 16 and March 3 sent to all Club members (whose membership as of January 15 is also attached hereto).

May I repeat that the Club of Rome is a multinational--some of us prefer to say 'non-national'--informal group of people acting individually. Members are not requested to pay dues or to fulfil any specific commitment, nor are they supposed to dedicate to the Club much of their time, but must be deeply convinced that an exceptional effort must be made jointly by the civil spirits and the civilized nations of the world at this critical juncture.

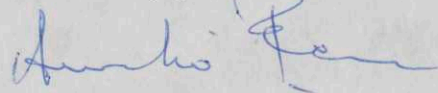
In conclusion, I am extremely glad that you have accepted to join us and hope to see you in the near future either in New York or during one of your travels in Europe.

I have kept Dr. Jermen M. Gvishiani informed on the Club of Rome's activity, and he has even participated, as an observer, in one of our meetings in Vienna last December. Although sincerely interested by our initiative, he has not been able so far to confirm that he will participate in it. When I have seen him last week in Moscow, he has asked me to write him officially, so that he may be able to consider our invitation in the proper manner. We all would like very much that he could join our group, and think that everything should be done to have the

Soviet Union support our Project. As I am sending you this letter c/o Dr. King in Paris, you may wish to talk with him on the ways and means to obtain this twin objective; and I will postpone my writing to Dr. Gvishiani so that I may benefit from your advice.

Looking forward to our next meeting and with best personal regards, I am,

Sincerely yours,



Aurelio Peccei

Enclosures