

International Conference on Theoretical Physics

11 December 1952

Ref.: Ch. 516

Professor N. Bloembergen
Cruft Laboratory
Harvard University
Cambridge 38, Mass.

Dear Professor Bloembergen;

I learned with great pleasure from your letter of September 22 that you have plans of attending our coming Conference on Theoretical Physics next September. We believe that your participation will not fail to contribute much to the success of our forthcoming conference. Up to the present moment, we have received favourable answers from the following invited physicists, and we are expecting a further increase of the number of foreign participants:

Field Theory & Theory of Elementary Particles	Statistical Mechanics Solid State & Molecular Physics.
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U.S.A.

Bethe, H. A. (25% promising)	Anderson, P. W.
Dyson, F. J.	Bloch, F. (uncertain)
Feynman, R. P.	Bloembergen, N.
Marshak, R. E.	Bozorth, R. M.
Mayer, M. G.	Flory, P. J.
Oppenheimer, R.	Kirkwood, J. G.
Rabi, I. I.	Mayer, J. E.
Serber, R.	Mulliken, R. S.
Weisskopf, V. F.	Onsager, L.
Wentzel, G.	Seitz, F.
Wheeler, J. A.	Slater, J. C.
Wigner, E. P.	Van Vleck, J. H. (uncertain)

Europe

Bohr, N.	Boer, J. de
Ferretti, B.	Coulson, C. A.
Heisenberg, W.	Mott, N. E.
Heitler, W.	Néel, L.
Peierls, R. E.	Prigogine, J.
Møller, C.	Fröhlich, H.
Perrin, F.	

Asia Bhabha, H. J.

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Our preparation for the conference is in progress, and we expect to have the main sessions on the following subjects:

- (A) (i) Field Theory in General
- (ii) Quantum Electrodynamics
- (iii) Mesons
- (iv) Cosmic Rays
- (v) Nucleus

- (B) (i) General Methods in Statistical Mechanics
- (ii) Statistical Thermodynamics of Liquids and Solutions
- (iii) Transport Phenomena; Thermodynamics of Irreversible Processes
- (iv) High Polymers
- (v) Liquid Helium, Super-Conduction

- (C) (i) Electronic Structure of Solids
- (ii) Magnetism
- (iii) Semi Conductors; Dielectrics
- (iv) Plasticity

Further, at the symposium on Molecular Physics at Nikko (September 12,13), the following sessions are tentatively scheduled:

Electronic structure of molecules.
Microwave and radiowave study of the molecules, and molecules in condensed phases.
Intermolecular forces and molecular collisions.

In each session, we expect to have two (or three) lectures, of which one (or two) will be delivered by a foreign participant, and one by a Japanese attendant. These lectures might either be a review of the field to serve as introduction to the ensuing discussions or a presentation of some recent original work of the speaker. In every case we should like to arrange it so that ample time would be available for discussion.

We should be much obliged if you could let us know in which session (or sessions) you would be willing to give lectures, and if possible, what particular subject of lecture you might have in mind at the moment, on the assumption that you would be able to participate in the conference.

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Your early answer would be highly appreciated since we plan to hold a meeting of the Statistical Mechanics Section of Organizing Committee on December 26.

Very sincerely yours,

/s/

Yoshio FUJIOKA
Secretary of the Conference.

12.12.- 45 (Soi - Bus)

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