

1 Evelyn Place
Princeton N. J.
May 6, 1951

Prof. Abrahão de Moraes
Director do Depto. de Física
Universidade de São Paulo
São Paulo Brasil

Dear Professor Moraes

Enclosed is my curriculum vital and my list of papers.
I hope that circumstances will permit me to come to São Paulo
soon.

I may not have made it clear in my previous letter, but a
three year contract is satisfactory to me.

Sincerely,

David Bohm

CURRICULUM VITAE

B.S. Degree - Pennsylvania State College - 1939

Ph.D. Degree - University of California - 1943

Research Physicist at University of California Radiation Lab. 1943-1946

Did research (theoretical) on gaseous discharges. Results published in book "National-Nuclear Energy Series" - McGraw-Hill, N.Y.

Worked with Prof. H.S.W. Massey, now at University College, London

Research ~~Assistant~~ Associate at University of California, 1946.

Worked with Prof. J. R. Oppenheimer.

Assistant Professor, Princeton University, 1947-1951.

Taught graduate and undergraduate courses, guided students in their research, and did my own research. Published book

"Quantum-Theory", Prentice-Hall, New York, 1951, based on my course.

My principal interests are:

- (1) Elementary particles
- (2) Theory of Metals, including superconductivity
- (3) Theory of Plasma Oscillations and Gaseous Discharges

LIST of PUBLICATIONS

1. Several chapters in book on gaseous discharges, National Nuclear Energy Series - Mc Graw Hill, on work done at University of California Radiation Laboratory during war.

2. Book, Quantum Theory Prentice-Hall, Inc. New York, 1951.

PAPERS.

D.Bohm and L.Foldy, Theory of Synchrotron, Phys. Rev. 70, 249, 1946.

D.Bohm, Relations of Dirac's New Method of Quantization to older Theories - Phys. Rev. 70, 795 A 1946.

D.Bohm and C.Richman - On the Neutron-Proton Cross-section, Phys. Rev. 71, 567, 1947.

D.Bohm and L.Foldy, Theory of Synchro-Cyclotron Phys. Rev. 72, 649, 1947.

D.Bohm and I.Aller, The Electron Velocity Distribution in Gaseous Nebulae and Stellar Envelopes. Astrophysical Journal 105, 131, 1947.

D.Bohm and M.Weinstein, Self Oscillations of a Charged Particle. Phys Rev. 74, 1789, 1948.

D.Bohm, Note on a Theorem of Bloch Concerning Possible Causes of Superconductivity - Phys. Rev 75, 502, 1949

D.Bohm and E.P.Gross, Theory of Plasma Oscillations, A Phys. Rev 75, 1851, B Phys. Rev. 75, 1864, 1949.

D.Bohm, M.Weinstein and H.Kouts, Covariant Description of Extended Charges λ Phys.Rev.78, 364 (A), 1950.

D.Bohm and E.P. Gross , Effects of Plasma Boundaries in Plasma Oscillations, Phys. Rev 79, 992, 1950

D.Pines and D.Bohm, Role of Plasma Oscillations in the Description of Electron Interactions, Phys Rev. 79, 232 (A) 1950.

D.Bohm and D.Pines, Screening of Inter-Electronic Interactions in a Metal. Phys. Rev. 80, 903 (L) 1950

D.Bohm and D.Pines, Collective Description of Electron Interactions To be published in June 1951 Phys. Rev.