

C O P Y

The Rockefeller Foundation
49 West, 49th Street, N. Y. 20

Copy for Professors Souza Santos and Gleb Wataghin

October 30, 1947

Dear Sir:

On Wednesday, October 22, my colleague Dr. Harry M. Miller, Jr., and myself had the honor of calling on you, together with Dr. Linneu Prestes, Rector of the University of São Paulo, Dr. Astrogildo Rodrigues de Mello, Director of the Faculty of Philosophy, Science and Letters, and Professor Gleb Wataghin, head of the Department of Physics. On that occasion we discussed with you the tripartite agreement, between the State of Sao Paulo, the University of S*ao Paulo, and The Rockefeller Foundation on which was based a plodge of The Rockefeller Foundation to contribute eventually a total of \$ 75,000 toward the cost of equipment for the physics department of the University of S*ao Paulo, this plodge being dependent on the two conditions: 1) that the State of São Paulo make a special contribution of \$50,000 annually for five years for the development of the work in physics; and 2) that the University provide a new laboratory building for physics (as shown on the drawings furnished to us of the plans for the University City), and also construct in the same place the closely related small building to house a betatron. The plodge of The Rockefeller Foundation provided that our contribution be paid at a rate not to exceed \$10,000 annually during the period of construction of the buildings although any remaining sum would be paid in total whenever the buildings are complete.

You will recall that in our discussions you were informed that the small building for the betatron was nearly complete some seven months ago; and that on the basis of the reasonable assumption that the small remaining work on the building would be completed promptly we released in August, 1946, (in addition to the annual \$10,000 to which we had agreed originally) an additional sum of \$15,000. This extraordinary release was based upon Professor Souza Santos' and Professor Wataghin's assurance to us, when they were our guests in New York - an assurance which was without question made in good faith - that the betatron building would be completed and in use very soon. But as you know, no work has been done on this building for some seven months, although the cost of the remaining work is estimated at only about sixty contos.

By the time this letter reaches you, both you and the Rector will undoubtedly have been furnished with copies of all of the original letters of agreement. I am sending you the present letter so that you will have the facts conveniently before you in a single communication; and to confirm our understanding of the oral promise which you were so kind as to make, that the betatron building will be finished at once,

and that the University will also take steps to assure the prompt construction of the agreed new general laboratory building for physics. The former of these two procedures, namely the immediate finishing of the betatron building, is really essential in order to set right the unfortunate position in which Dr. Miller and I find ourselves, having recommended a special release which was based on our conviction that the betatron building would be finished many months ago. Moreover, the further step of proceeding promptly with the construction of the closely related new general physics laboratory building is, we must make clear, a step which the University must take before it will be possible for the officers of our division to recommend any further releases of money under the original pledge, which is as the official letters show available until June 30, 1949.

It was most gratifying to have the opportunity of talking with you, and to obtain from you so prompt and firm a promise that these matters will be taken care of. We understand, of course, that you have been exceedingly busy with larger affairs; and that this situation was unknown to you up to the moment of our call.

Should there be any aspect of the present letter which you do not fully understand, or which fails in any respect to correspond to the conversation we had with you, we will count on you to raise further points for discussion by letter.

Very cordially,

Warren Weaver.

Dr. Adhemar Pereira de Barros
Governor of the State of São Paulo
Sao Paulo
Brasil

WW:AEB

cc - Rector Linneu Prestes
Professors Souza Santos and Gleb Wataghin



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March 2, 1949

PLEASE DIRECT REPLY TO

W. A. Electrical
(DEPARTMENT)

Dr. Marcello Damy de Souza Santos
Department of Physics
University of Sao Paulo
Ave. Brigadeiro Luiz Antonio, 784
Sao Paulo, Brazil

Dear Dr. Santos:

Enclosed you will find two prints of drawings which should be of some help to you:

01-105-516-03 >	01-428-407-08 —	01-500-041-18 —
01-108-641-05 —	01-429-005-02	18-540-576-05 —
01-203-109-05 (Sheet 1)	01-429-006-05 —	18-540-577-05 —
01-303-095-02 ~	01-429-101-03 —	18-540-580-06 —
01-303-996-01 —	01-429-102-06 —	18-441-433-06 —
01-304-319-01 —	01-429-271-03 —	18-440-974-06 —
01-428-214-14 —	01-429-348-02 —	*01-500-691-01 —
01-428-215-15 —	01-429-717-01 —	*6 copies included

If there are any other drawings which you desire, please do not hesitate to request them.

We are definitely interested in the successful operation of your betatron, and will be happy to answer any and all questions you may have.

You might be interested to know that your betatron was completely tested here in our laboratory. Its yield and performance were excellent. With the magnet energized at 180 cycles we obtained 70 roentgens per minute at three feet at 24.5 MEV. Higher energies are entirely possible, but to be on the safe side, the unit should then be operated at 60 cycles, otherwise excessive voltage appear across the magnet coils.

I was sorry to hear that the magnet was covered with rust. The unit was packed in a double, moisture-proof box, with several bags of silica-gel in the box. I suspect the unit may have been opened for inspection and never sealed properly again.