

60 Ocean View Ave. 2

Santa Barbara, Sept. 15, 1928.

Dear Mr. Therkelson -

Many thanks
for your welcome letter, in which
you ask me to suggest means
of expediting our work. The
most important are to order
the machine tools and other
equipment of the instrument-shop
in the near future, and to
proceed at once with the design
of the Astrophysical Laboratory on
the Institute campus, for which
we shall have all necessary data

School of Astrophysics.

- (3) Equipment for such astrophysical researches as can be undertaken to advantage in Pasadena by members of the staff and graduate students.
- (4) Equipment for the laboratory interpretation of astrophysical phenomena.
- (5) Optical shop, for such work as can be done here to best advantage.

I have given much thought to the design of this Laboratory, and am sure we can make it a unique institution, supplementing^{*} to

* Not duplicating.

when I reach home early in October. If your Executive Committee approves, my purpose is to put this into the architect's hands as soon as our sketches are completed.

This building must serve the following purposes:

(1) Headquarters for the Observatory staff in Pasadena, with full provision for the measurement and discussion of our telescopic plates and observations, ^{and} offices for members of the scientific staff and computers.

(2) Headquarters for the Graduate

Dr. Anderson and Dr. Please leave for the east to-day.

great advantage the Norman
Bridge and Gates Laboratories
of the Institute and the (M. V.)
Observatory Laboratory in Pasadena.
The equipment should be of the
highest class, and some of it
(like the very powerful magnet
needed for solar research and for
physical researches bearing directly
on the structure of the atom) would
be of service to the physicists, chemists,
mineralogists, metallurgists, and probably
also the biologists of the Institute. It
is of course covered by the estimates
sent with our formal request.

The enclosed progress report to the
Observatory Council and the Advisory Com-
mittee may include a few points not
covered in my letters to you.

Very sincerely yours George E. Hale