

THE FOLLOWING SUBJECTS ARE ALL PERTAINING TO THE
ONE-HUNDRED-INCH HOOKER TELESCOPE

- *A 35 The site for the telescope. Concrete footings for the building being put in. Photographed from one-hundred-fifty-foot tower telescope
- *36 The pier for the telescope under construction. Photographed from the one-hundred-fifty-foot tower telescope
- *37 The pier for the telescope under construction. Forms for the floor and supporting brackets in place
- *38 Putting in the reinforcing rods for the concrete floor of the pier
- *39 The pier and a few columns for the building as seen from the southwest
- *40 Same as A 39, except as seen from the northeast. Also showing the one-hundred-fifty-foot tower telescope in the distance
- *41 Surfacing the rails for the dome by means of a motor-driven grinder, pushed along by a motor-driven truck, and guided by a steel boom pivoted in the center
- *42 Erection of the building. Inner sheathing on lower part in place. Lower part of dome framework up
- *43 Detail view of rails, trucks, and framework of balcony of dome
- *44 Top section of main girder of the dome ready for hoisting
- *45 Top section of main girder being hoisted into place
- *46 Framework of the dome completed, and inner sheathing begun
- *47 Putting on the inner sheathing and the brackets and ribs for the outer sheathing
- *48 Near view of the building and dome completed, except the outer balcony, showing the shutter wide open
- *49 The dome completed, showing the fin used to balance the wind pressure on the shutter
- *50 Drawing of a section of the building and dome, the pier, and the telescope as seen from the west
- *51 North pedestal of the telescope, also showing the ten-ton crane used in the erection
- *52 West member of the fork for the telescope being swung into place
- *53 Lower section of the telescope tube placed in the fork
- *54 Second section of the tube in place, and third section ready to be hoisted.
- *55 Driving clock of the telescope, set up in the shop for testing
- *56 Drawing showing the driving clock, worm wheel, south spherical bearing, mercury trough and steel float, also quick motion drive in right ascension