587. Hutchison, E. D.: How to Think Creatively, 1949, 237 pp.

588. Bloom, S. S.: Studies of Creative vs. Noncreative Individuals (chemists and mathematicians); in Taylor ed., N 600, 1955, pp. 183-94.

589. Benton, N 536, item 1292.

590. Knapp, R. H.: Demographic Cultural & Personality Attributes of Scientists; in Taylor ed., N 600, 1955, p. 204-12, Cf. also his Personality Com'ee Rept., in do. p. 229-41

Trow, M.: Some Implications of the Soc. Origins of Engrs.; in U.S. NSF: Scientific Manpower, 1958, pp. 67-74.

591. Stein, M. I.: Creativity and the Scientists; and A Transactional Approach

to Creativity; rev'd in Stein & Heinze N 562, pp. 318-22.

592. Van Zelst, R. H. & Kerr, W. A.: Some Correlates of Tech. & Sci. Productivity. Jol. of Abnormal Psy. 46:470-5, 1951. Their highest correlation, .75, between publications and invs., corrected for personal age, with various traits and habits, in the faculty of a tech. university.

593. Harmon, L. R.: The H. S. Backgrounds of Sci. Doctorates; U.S. NSF:

Scientific Manpower, 1960, pp. 14-28, tables 12, 14 and 1.
594. Meier, R. L.: The Origins of the Scientific Species; Bull. of the Atomic

Scientists 7: 169-73, 1951.

595. Rossman, Jos.: A Study of the Childhood, Educ., and Age of 710 Inventors, drawn from his patentees of 1927-9 (N 562) and from Who's Who in Engg.; JPOS 17: 411-21, 1935. College grads. were 555. Cf. also his Psy. of the Invr., N 562. -: Engineers as Inventors; JPOS 13: 376-83, 1931, p. 379.

597. Carr, L. J.: A Study of 137 Typical Inventors; *Pubs.* of Amer. Social. Soc. 23: 204-6, 1929.

600. Multiple author books, and works not cited from our particular passages

on the psychology of invention and inventors: Am. Behavioral Scientist, December 1961, various articles and annotated

bib. of 346 titles related to soc. inv., incl. the psy. of inv.

Amer. Mgmt. Assn.: Creativity: Key to Continuing Progress. Bull. No. 4, 1960,

27 pp. Cf. N 657, 658. Arnold, J. E. et al: Creative Engg. Seminar, at Stanford U., 1959.

Barber, B. & Hirsch, W., eds.: The Sociology of Science, a Reader, and Symposium, 1962, 662 pp.

Benton: Creativity in Research & Inv. See N 536.

Boirel, René: l'Invention, 1955, 113 pp

Contemp. Approaches to Creative Thinking. Symposium, 223 pp. 1962. Dissertation Abstracts

Flory, C. D.: Developing and using our Creative Abilities; Chem. Engg. Progress 49:676-8, Dec. 1953.

Haefele, J. W.: Creativity & Innovation. 1962, 306 pp.

Indus. Research Inst.: Bib. on Creativity, 1955. Lists 1919 items, by author; comprehensive, not selective.

Middendorf, W. H., & G. T. Brown: Orderly Creative Inventing; Elec. Engg. 76:866-9. 1957. By inventors.

Parnes, S. J., & H. F. Harding, eds.: A Source Book for Creative Thinking. ca. 1960, 393 pp.

Pólya, G.: How to Solve it, a new aspect of math. method. 1945.

Porterfield, A. L.: Creative Factors in Sci. Research, 1941.

Scientific American. The issue of September 1958 is devoted to creative thought, in phys. sci. and inv. See esp. F. J. Dyson: Innovation in Phys.; J. Bronowski: The Creative Process; J. R. Pierce: Innovation in Technol.

Smith, Paul, ed.: Creativity, an Examination of the Creative Process. symposium, 1959, 210 pp. See esp. Arnold, N 546, Carter, Pleuthner and Flanagan.

Sprecher, T. B.: An Investigation of Criteria for Creativity in Engineers. Dis., U. of Md., 1957, 188 pp. Cf. Dis. Abstracts, 18:1101.

Stein & Heinze: Creativity and the indiv. See N 562.

Taylor, C. W.: The State of Present Knowledge in Creativity, 1962 (?)
Taylor, C. W., Smith, W. R., & Ghiselin, B.: Analysis of Multiple Criteria of Creativity & Productivity of Scientists, in Taylor, ed., 1959, below, pp. 5-28

Taylor, Calvin W., ed.: Research Conf. on the Identification of Scientific Talent. Proc. of four successive valuable conferences in Utah; 1955, 268 pp.; 1957, 255 pp: 1959, 334 pp. The rept. of the 4th Conf. is entitled Identification and Devmt. of Creative Scientific Talent.

Thurstone, L. L.: The Sci. Study of Inventive Talent; U. of Chgo. Psycho-

metric Lab., Lab. Repts. No. 81, 1952.