From 11/19/85 ----

Notes for an autobiography; collected for a dozen years.

6/86 cf. developmental outline in J/biog themes

{....} should be read as footnotes.
~ denotes material that requires authentication (e.g. dates)
or elaboration.

Chapter Outline:
1. INTRODUCTION
2. Early years, 1925 - 1941
3. Columbia College, meeting Ryan, learning Neurospora 1941-45
   See P269
4. Columbia Medical School & Yale: discovering K-12, 1945-47
   See P269
4A. HAZ/JL Intellectual history of bacterial genetics
   See P267
5. Wisconsin - exp/l. work in microbial genetics 1947-58
   K-12 mechanisms (Hayes, Wollman)
   genetic control of enzymes: B-galactosidase
   transduction
   lysogeny (lambda)
   plasmids (F)
   replica plating
   Mechanism of penicillin; protoplasts
   Streptomyces
   chemical mutagens
   \textit{Salmonella phase variation}.
   5A. Berkeley, Calif. UCB 1950. Korean War; McCarthyism
6. Wisconsin - starting a department of medical genetics 1955-58
7. Melbourne - Fulbright with Burnet, Immunology 1957
   Other European travel
   Somatic Cell Genetics
9. Stanford - starting another genetics department; milieu 1959-78
   Medical School
10. Calcutta - Stanford - exobiology, Viking mission
    mass spectrometry lab; Planetary Quarantine; SETI
    1960 ff. NASA
    Andromeda strain: combines BW, exobiol, R-DNA
    Panel on Mental Retardation. Brain Research
    PSAC / information
12. Stanford - own research program, molecular genetics 1959 ff
DNA splicing
13. London, ... Symposia on genetic engineering; algeny 1962- ff
   Japan 1962
14. Stanford - artificial intelligence research 1965 ff
   DENDRAL project, expert systems
   ACME, SUMEX networks
15. Mexico, Palo Alto - consulting with Syntex, Djerassi 1960-70
   Bringing Syntex to Stanford Industrial Park
16. Washington - W. Post columns; policy themes 1966 ff SAMS
17. Philadelphia - ISI: Citation Indexing 1960 ff
   Annual Reviews
   Asilomar (RDNA controversy) 1975
   Affymax: other biotechnology
   teaching in arms control at Stanford
   Nixon’s Crusade against cancer
   NCI - Pres Cancer Council 1979-81
   History and Biography; Wyatt; Stent; pre/postmature
   Tatum memoir
   Begin autobiography
   Other S.U. committees, ed. policy
   Forfend Pandemic. AIDS. BW
   NYC/Wash - shuttling once a week. Science Policy
   National Medal of Science 1990
   giving up lab for leadership role
27. 1990- back home in lab...
28. New York - NYC; NYCP; Academic-Business Comm Relations
   Carnegie Commission and other foundations
29. Ruminations: -- where is contemporary science, as career, as
   substance
   Human prospect (NEC).
30. --- Brief personal autobiography, 1946-...
    marriage, divorce, children
31. Stanford - NYC - Process of Biography
32. ??? What would I do differently on rerun.
33. ??? How terminate a biography? Cf 26a