

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 - exptl. 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

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

8. Stockholm - Nobel Prize, 1958-59

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

11. Washington - Pres. Kennedy Health Team; (IOM) 1960
Panel on Mental Retardation. Brain Research
PSAC / information

12. Stanford - own research program, molecular genetics 1959 ff

*my first
E. coli
phase*

B. subtilis

- DNA splicing
13. London, ... Symposia on genetic engineering; algeny 1962- ff *Disinfect ethics*
 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 — *see vol. 2*
 17. Philadelphia - ISI: Citation Indexing 1960 ff
Annual Reviews
 18. Stanford - Environmental research. Chlorine. Carbon 1970 ff
 19. Berkeley - Cetus, gene splicing commercialized 1971 ff
Asilomar (RDNA controversy) 1975
Affymax; other biotechnology
 20. Geneva - BW disarmament treaty 1970; cf pandemic
teaching in arms control at Stanford
 21. Bethesda - NIMH - Mental Health Council 1970-74
Nixon's Crusade against cancer
NCI - Pres Cancer Council 1979-81
 22. Stanford - CASBS - POSTS 1970-75
History and Biography; Wyatt; Stent; pre/postmature
Tatum memoir
Begin autobiography
 23. Stanford - Human Biology curriculum Undergraduate education 1965 ff
Other S.U. committees, ed. policy
 24. Geneva - WHO. Tropical disease research 1970's
Forefend Pandemic. AIDS. BW
 25. Washington National Security consultation 1974 ff
NYC/Wash - shuttling once a week. Science Policy
National Medal of Science 1990
 26. New York - Rockefeller University 1978 ff
giving up lab for leadership role
 27. 1990- back home in lab...
 28. New York - NYC; NYCP; Academic-Business Comm Relations *Bark to E. coli*
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, childrn
 31. Stanford - NYC - Process of Biography
 32. ??? What would I do differently on rerun.
 33. ??? How terminate a biography? Cf 26a