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EXPERIENCE RESUME

MURRAY H. SLATER

Manager Traffic Action Council

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Education:

University of California, Berkeley
BS in Civil Engineering, 1944
MS in Civil Engineering, 1948

Post Graduate Courses:
Engineering Aspects of Nuclear Processes
Earthquake and Blast Resistive Design
Operations Research
Design of Concrete Shells
Space Exploration
Urban Planning Practice and Theory
Practical Airconditioning and Refrigeration

Licenses:

Registered Professional Engineer, California
Licensed Engineering Contractor, California

Experience:

Sept. 1969 – present: Manager of Traffic Action Council (TAC), City of Los Angeles/ Los Angeles Area Chamber of Commerce, Haynes Foundation grant. On loan from North American Rockwell - NARISCO.

TAC is a group composed of top Southern California business leaders and government officials dedicated to the immediate improvement of traffic conditions in the Los Angeles Metropolitan Area.

The Council bridges the gap between the citizenry and local, regional and state agencies. Traffic problem areas are earmarked, remedial procedures identified, action priorities established, strategies developed and action undertaken. A list of specific activities where TAC has been particularly effective includes such diversified projects as: the development of an exclusive busway on the San Bernardino Freeway; the introduction of a mini-bus system in Downtown Los Angeles; the revival of one-way street dedications in Los Angeles; a program for staggering working hours; improvements in traffic management of freeways and surface streets; and the implementation of a peripheral parking/people mover program in the central business district. TAC is addressing itself to over thirty similar activities.

Experience: [continued]

April 1968 – Sept. 1969: Project Engineer responsible for "Urban Systems" elements of Information Systems Division programs, Autonetics.

Activities included: market research at federal, state and local levels; preparation of plans, schedules and budgets to enter the field; and the preparation of small exploratory proposals in the Urban Systems arena. Participated as a member of the Space Division team, "Transportation Systems Assessment Study Engineering Evaluation."

Jan. 1968 – April 1968: Project Engineer assigned to NR Executive Offices, Research and Engineering Department. Co-authored "U. S. Civil Transportation, Case Study 68.3."

April 1966 – Jan. 1968: Project Engineer, Manager Task 5, California State Water Project, Space and Information Division.

Managed interdisciplinary group from three participating consortium concerns. Developed: Emergency Operations Plan; O and M Test Program; and criteria for an Instrument Standards Laboratory.

June 1965 – April 1966: Engineering Group Leader, Reactor Intergration and Test Group, Reactor Development Department, Compact Systems Division, Atomics International.

Group consisted of four supervised units with a $70,000 + monthly payroll. The department: established conceptual and detailed designs of compact reactors and isotope heat sources; was responsible for system intergration; provided interface designs with power conversion and/or test installation systems; and performed component acceptance tests, assembled reactors and performed reactor system non-nuclear tests.

Dec. 1963 – June 1965: Engineering Group Leader, SNAP 8 System Development Group, Atomics International.

Group consisted of a Design Intergration Unit and an Assembly and Non-nuclear Test Unit. The group was responsible for SNAP 8 reactor designs, systems intergration, assembly and qualification testing. (SNAP 8 - a $19 million program)

Aug. 1962 – Dec. 1963: Assistant Group Leader and Project Engineer, SNAP 8 Flight Prototype System (S8FS), Atomics International.

Assisted Program Manager (Group Leader) in all program areas: established development program - including PERT logic; managed schedules and budgets; interfaced with AEC, NASA, and Aerojet General - the power conversion contractor; responsible for all required reports to AEC.

Managed budgets, schedules, designs, fabrication, and procurement and testing of S8FS a $5 million hardware program and $6 million test facility project.

Experience: [continued]

Oct. 1961 – Aug. 1962 — Supervisor, Test Facilities and Process Unit, Compact Systems Division, Atomics International.

Responsible for conceptual and detailed civil, mechanical, structural and test processes systems designs and procurement of facilities; designed heat transfer, process and power conversion systems for delivered items.

Dec. 1957 – Oct. 1961 — Supervisor, Reactor Facilities Design Unit, Product Engineering Department, Atomics International.

Developed conceptual and detailed civil, mechanical, structural and architectural designs and procurement of sites and facilities - including field engineering.

April 1955 – Dec. 1957 — Senior Design Engineer, Reactor Facilities Unit, Atomic International, North American Aviation.

Prepared working drawings, specifications and cost estimates for OMRE, SNAP 2 Critical Test Laboratory, SNAP Experimental Test Facility, SRE secondary heat transfer system concrete foundations and steel support structures, and ground water control system for site and structures. Estimated total value in excess of $4 million.

March 1953 – Oct. 1954 — General Manager and Chief Engineer, Kyle Prefabricated Steel Company, Glendale, California.

Organized and managed staff and facilities for Stran Steel products distributorship in California, Arizona and Nevada.

March 1948 – March 1953 — District Manager, Chicago District, Stran Steel Division, Great Lakes Steel Corporation.

Established and serviced dealerships throughout the mid-west. A typical dealership consisted of administrative, sales, engineering, fabricating, construction and warehousing staffs with supporting equipment and facilities.

Developed prefabricated structures and buildings and architectural structural systems of all types: mill buildings, manufacturing and process plants, commercial and public structures, multiple dwellings, tract and individual homes, agricultural structures, prepackaged buildings, wall systems, floor systems, etc.

Papers and Lectures:

"Influences on Nuclear Plant Costs of Maximum Permissible Radiation Levels, Operational Philosophies and Facility Configurations," Invited paper ANS Annual Meeting, Detroit, Michigan, December 1958.

"Systems Engineering in Urban Systems," Southern University, Baton Rouge, Louisiana, April 1969.

Papers and Lectures: [continued]

"Symposium on Mass Transportation Trends in the 1970's and Beyond," North American Rockwell Management Association, Anaheim, California, June 1969.

"Transportation," at Critical Urban Issues Seminar, Center for Urban Affairs, Cal State Los Angeles, October, 1970.

"Metropolitan Transportation Problems," Engineering Management Course, UCLA Graduate School of Engineering, February 1972.

Societies:

American Society of Civil Engineers
American Nuclear Society
American Concrete Institute
Highway Research Board