LEADWIRE

MAY, 1965

FROM THE EDITOR

Fairchild employees got a well-deserved pat on the back from the Jet Propulsion Laboratory at California Institute of Technology recently for their part in producing the high reliability semiconductors which helped make the Ranger moon-shot program such a huge success. In a letter to semiconductor products manager Bob Graham, Henry L. Curtis, a JPL official, thanked all the Fairchild people, yourselves, "who contributed in such a vital way to the success of Ranger."

While we're on the subject of compliments, the National Municipal League and Look magazine had high praise for the citizens of South Portland, Maine, this month, naming the city All-America in its annual ratings. Since some 1200 of those citizens are Fairchilders, we have just as much right to be proud of this honor as the state of Maine does. Apparently our Maine plant people are pursuing their civic duties as admirably as they are performing at Fairchild.

Secretary Jean Arnold of the Palo Alto sales office will be married June 6 to Dr. Richard F. Fairchild of Napa. We just thought we'd pass the news along so you won't think it's a joke when you call the PA office and get this greeting: "Good Morning! Fairchild Semiconductor. Mrs. Fairchild speaking."

Each year, the *Leadwire* spring issues begin to take on the look of a sports magazine, because of the heavy participation by employees in company activities. It must be something in the air that brings out the athletic instincts in us Fairchilders.

Just this month, company championships were decided in ping pong (Transducer); bowling (Bafmocs at Diode plant, T-Ducers at MV); basketball (Integrated Circuits); and golf (John Reinhardt and Warner Bridwell, MV golf league). Congratulations to all.

If you missed out on a sport, it's still not too late. Softball, bowling, golf, tennis, and other departmental activities are now organizing for the summer go-round. Sign up at the bulletin boards.

A person who should come in for his share of applauds now that basketball is finished is player-coach Art Stabenow of Integrated Circuits, the company basketball champions. The section, with Art at the helm, has won rolled through two straight unbeaten seasons and two championships.

The '65 squad had some anxious moments, particularly against tough NPN production whom it defeated twice only by the slimmest of margins (one and three points). But sage Dick Hoff of IC has a ready explanation for anyone who will listen: "We only play as hard as we have to."

EXPANSION CREATES NEW INSTRUMENTATION DIVISION

MOUNTAIN VIEW — Fairchild's Instrumentation department of Palo Alto and Mountain View has merged with Fairchild DuMont Laboratories of Clifton, New Jersey, to form a new Instrumentation division, it was announced this month by Dr. Robert N. Noyce.

Dr. Noyce, former general manager of the Semiconductor division, becomes group vice president for the Semiconductor and Instrumentation divisions. He said the move was brought about by the impressive sales growth and the increasing similarity of product developments of the two groups involved.

He pointed out that the expansion reflects official recognition of the growth and sales record of Fairchild Semiconductor, and that it gives this division the go-ahead and organizational structure to achieve even greater growth.

"With both divisions combined in a new group organizational structure, it is my expectation that we will continue to even greater achievements in the competitive market place," Dr. Noyce said, "Our path is clear—continued growth and expansion in the tradition you all have contributed to so much. The future, indeed, is wide open."

Although changes resulting from the new arrangement will take place gradually over the next several months, some personnel promotions took effect immediately.

With Dr. Noyce moving up to group vice president, Charles E. Sporck, former operations manager, is new general manager of Fairchild Semiconductor. Mr. Sporck is succeeded as operations manager by Donald E. Yost, former Mountain View plant manager; and Pierre Lamond succeeds Mr. Yost as plant manager.

John S. Auld, former general manager of the DuMont division, is general manager of the new division, which will be headquartered in Clifton, N. J. Mr. Auld reports to Dr. Noyce.

Fairchild Instrumentation brings together the electronic equipment capabilities of both the semiconductor and DuMont divisions and will continue to market the products of both. Marketing activities of Fairchild Instrumentation will be handled by existing sales and marketing organizations.

As operations manager, Mr. Yost has operational control over all Fairchild Semiconductor manufacturing facilities in Mountain View and San Rafael, California, South Portland, Maine, Hong Kong, and Australia.

A native of Buffalo, N. Y., he joined Fairchild in 1960, and progressed through several manufacturing posts in California. He earned a BSEE at University of Michigan and a master's degree at University of Buffalo. Mr. Yost served as an Air Force officer three years. He is a member of IEEE, the American Institute of Industrial Engineers, Tau Beta Pi and Eta Kappa Nu honorary fraternities.

He and his wife Patricia and their two children live in Los Altos.

Pierre Lamond becomes manager of the central manufacturing facility for Fairchild Semiconductor's world wide operations.

A native of Paris, France, he earned his degree at Toulouse (France) University; and after coming to this country in 1957 he obtained a master's degree in communications at Northeastern University (Boston). He joined Fairchild as a member of the technical staff at R&D in 1961, and has advanced through a number of managerial posts. He was most recently manufacturing manager at Mountain View. He is a member of IEEE.

Mr. Lamond and his wife Tita and their two children reside in Los Altos.

E. TURNEY LANDS MILLION DOLLAR SDS INTEGRATED CIRCUIT ORDER

LOS ANGELES — Ed Turney of the Los Angeles sales office scored another in a recent series of highly-significant sales, this time the largest single commercial order for integrated circuits within the computer industry.

Scientific Data Systems of Santa Monica ordered custom-built monolithic integrated circuits from Fairchild Semiconductor under terms of a contract valued in excess of one million dollars.

Ed, who was described by national sales manager Don Valentine as one of Fairchild's all-time stellar salesmen, has captured most of SDS' diode and transistor business in recent months, which has resulted in a number of large orders for Fairchild standard and custom devices.

A native of New York, Ed came west and attended Ventura (California) College, majoring in business and mathematics, and UCLA, majoring in marketing. He joined Fairchild in October, 1959, after ten years with Philco. He is a navy veteran. Ed and his wife Beverly live in Oxnard.

Ed Turney

Don Yost

Pierre Lamond

DIODE'S ED REED SEEKS PETALUMA CITY COUNCIL SEAT

SAN RAFAEL—General foreman Ed Reed of Diode's wafer processing department is a candidate for a position on Petaluma's City Council in the city's elections June 8.

Long active in Petaluma civic affairs as well as in Fairchild activities, Ed filed his candidacy last month to do his part in making Petaluma the "leader of the entire North Bay as it once was many years ago." He pointed out that he feels the city's main problem is its failure to attract new industries to spur its economy and develope Petaluma to its full potential. Ed said that as a councilman, he would work hard toward developing a prosperous and progressive Petaluma.

A resident of Petaluma for two and a half years, Ed has served as president of the chamber of commerce, and has been highly active in scholarship and athletic facilities projects for youth. At Fairchild, where he has worked two and a half years, he is a past president of the Management club.

A former Army officer, he earned a BS in bio chemistry at Norwich University, and has done graduate study in business administration at University of Maine.

MEET NEW GENERAL MANAGER

MOUNTAIN VIEW—Charles E. Sporck is new general manager of Fairchild Semiconductor. He suceeds Dr. Robert N. Noyce in the Corporate expansion which has resulted in the creation of a new Instrumentation division.

Mr. Sporck assumes full administrative responsibility for the largest division of the Fairchild family, and one of the giants in the field of silicon semiconductors and integrated microcircuits.

A 1952 graduate of Cornell University with a BS in mechanical engineering, Mr. Sporck joined Fairchild in October, 1959 after leaving a post as head of production operations of the Capacitor division of General Electric in his native New York.

He became manager of the Mountain View plant less than two years later. He held that position until August, 1962, when he accepted the newly-created post of division operations manager.

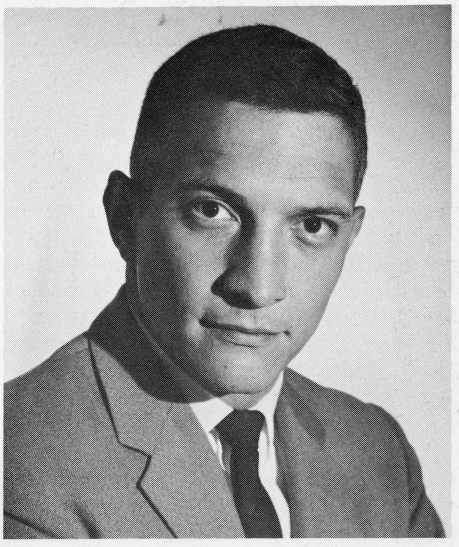
FAIRCHILD'S SOUTH PORTLAND IS NAMED ALL AMERICA CITY

SOUTH PORTLAND—Fairchild-South Portland came in for its share of plaudits as the city of South Portland was named one of eleven recipients of the All America Cities Award by the National Municipal League and Look Magazine.

South Portland, which had earlier been singled out by Maine Gov. John H. Reed for praise for the way it had increased its employment figures and broadened its tax base, was amoung the cities featured in the May 4 issue of Look. One of the photos in the feature showed a Fairchild assembler at work at her microscope.

The winning cities are selected on the basis of its city government, its commercial development, and industrial development. Fairchild played a major role in the latter. The company, one of nineteen to move to South Portland between 1960 and 1964, created 1,100 of the 1,650 new jobs created in the city during that period. The jobs represented an increase of 125 per cent.

Fairchild-South Portland formally opened January 2, 1963.



DR. NOYCE TO GROUP VICE PRES.

MOUNTAIN VIEW—Dr. Robert N. Noyce has been elevated to the new position of group vice president for Semiconductor and Instrumentation divisions of Fairchild Camera and Instrument Corporation.

Dr. Noyce was one of the founders of Fairchild Semiconductor in 1957 where, as Research Director, he established the research department and directed the initial devedopment of the silicon mesa and planar transistor lines. In early 1959, he was made Vice President and General Manager of what was then Fairchild Semiconductor Corporation. Three years later, the company became a division of Fairchild Camera and Instrument Corporation, and Dr. Noyce was elected a Vice President of the corporation.

Dr. Noyce received the bachelor of arts degree and membership in Phi Beta Kappa at Grinnell (Iowa) College in 1949 with a double major in physics and mathematics. He received a Ph. D. degree in physical electronics at Massachusetts Institute of Technology in 1953.

Dr. Noyce subsequently joined the Research Division of Philco Corporation, where he was leader of a solid state physics group which worked on the development of germanium and silicon high-frequency transistors.

He left Philco in 1956 to join Shockley Semiconductor Laboratory in Palo Alto, California as a member of the technical staff.

His contributions to the development of diffused silicon devices include: extension of design theory and development of a diffused silicon field effect transistor; an explanation (in terms of basic recombination processes in the semiconductor) of the previously unexplained leakage currents in silicon junctions and variations of current gain with current silicon transistors; and more general contributions in junction transistor design and fabrication techniques.

Dr. Noyce holds twelve patents on semiconductor methods, devices, and structures. As General Manager of Fairchild Semiconductor, he led the move to microcircuits by directing the company's pioneer efforts at volume production of the devices.