1966 Fellows
SAN FRANCISCO SECTION

NELSON M. BLACHMAN
Contributions to statistical communication theory and information theory

JAMES B. ANGELL
Technical, professional, educational contributions in solid-state electronics

JOSEPH FEINSTEIN
Contributions to crossed-field microwave tubes

GORDON S. KINO
Contributions to the design of electron guns and high-frequency behavior of gaseous plasmas

TETSU MORITA
Contributions in the fields of antennas and the interaction of electromagnetic energy with plasmas

HUGH C. ROSS
Contributions in the development of high vacuum switching equipment

ANTHONY E. SIEGMAN
Contributions to the theory and application of masers and lasers to communications

ALAN T. WATERMAN, JR.
Contributions to the science and practice of transhorizon radio propagations

meeting reminder

Aerospace & Electronic Systems, Thursday, December 16; Thursday, January 27
Audio & Electroacoustics, Tuesday, December 14 (CT/EMB)
Circuit Theory, Tuesday, December 14 (A&E/EMB)
Computer, Wednesday, December 8 (I&GA/SFS)
East Bay Subsection, Wednesday, January 12 (SFS/EM/I&GA)
Engineering in Medicine & Biology, Tuesday, December 14 (A&E/CT)
Engineering Management, Wednesday, January 12 (SFS/EBSS/I&GA)
Industry & General Applications, Wednesday, December 8 (C/SFS); Wednesday, January 12 (SFS/EBSS/EM)
Information Theory, Thursday, December 16
Reliability, Tuesday, December 14
San Francisco Section, Wednesday, December 8 (C/I&GA); Wednesday, January 12 (EBSS/EM/I&GA)
Up in Seattle, we make basic tools for precision electronic measurement. We make them well. If you think you’d like to help us make them even better and live in the Great Northwest too, let’s talk.

For almost a generation, we (The John Fluke Mfg. Co., Inc.) have been one of the world’s leaders in metrology. Recently, the demand for our quality instrumentation has created a number of unusually fine professional employment opportunities.

So if you want to join a medium size, well-respected company where your contribution stands out and your identity means something to everyone from the president on down, this is a grand opportunity. Our engineers work in a sophisticated technical environment with great personal freedom to pursue design problems as they see fit. We pick up the total tab on a company-sponsored graduate program for eligible personnel at the University of Washington (now widely regarded as one of the 10 best universities in the Nation).

But, though the job is the main thing, living in the Pacific Northwest shouldn’t be ignored either. About 85% of our employees live on wooded acres within 10 minutes of the plant. You can buy twice the house in Seattle for the same dollars you spend in San Francisco or Los Angeles. And the taxes aren’t too steep either (there is no state income tax).

Schools are good. The State of Washington ranks among the first three in literacy and number one in terms of college graduates per thousand population. Art, theatre and music flourish in the great new Seattle Center, built for the World’s Fair.

If the outdoors is your after hours bailiwick, Washington State offers great skiing (with short lift lines), the nation’s best boating, outstanding hunting and fishing (sometimes, the other guy on the stream is five miles away), and fine hiking and climbing.

The company offers in addition to your salary (which is as good or better than anywhere else) profit sharing, medical insurance, and retirement benefits. So if all this excites you and you fit one of the job descriptions below, write our president, John M. Fluke, in confidence. Interviews will be arranged in Los Angeles, San Francisco, or Seattle at your convenience. Please address Mr. Fluke at P. O. Box 7428, Seattle, Washington.

Design or Senior Engineers with communication theory background, interest in digital circuits, and preferably an MSEE. Minimum experience, two years. Should be familiar with digital circuit design and frequency calibration techniques.

Electronic Package Design Engineer with either BSEE or BSME. Applicant should be familiar with packaging methods in the MHz to 10 GHz region. Two to six years’ experience with good mechanical design aptitude required.

Associate Engineer with good scholastic record and BSEE. No experience necessary. Applicant should have an interest in analog and/or digital circuit design and knowledge of solid state circuitry.

Industrial Engineer with three years’ experience in electronics or associated industry. Should possess a BSIE. A BSEE or BSME is acceptable if applicant has industrial experience. Candidate must have knowledge of methods, value, and process analyses, and work simplification.

Senior Production Engineer with four years’ experience. Should be a mechanical engineer familiar with electronics or an electronic engineer familiar with mechanical engineering. Applicant must possess a BSME or BSEE. Must be able to carry new product from design to production.

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ADVANCED PRODUCT PLANNING SPECIALISTS

To work in advanced product planning group responsible for determining and analyzing requirements of new product markets, recommending product development programs needed to promote new ideas, formulating and specifying new products based on state-of-the-art and beyond-the-state-of-the-art hardware, software, and application concepts. Ability to deal with "total systems" concept in a business data processing environment is essential. Specific experience in such areas as time sharing systems, multi-processing, data transmission technique, programming language design, list processing, and information retrieval is desirable. Requires a broad background in business data processing systems with a minimum of eight years of hardware and software systems design experience. Advanced engineering or science degree desirable.

ADVANCED MECHANISMS SPECIALIST

For analysis and design of complex computer mechanisms. Must have knowledge of applied mechanics and high-level mathematical ability. PhD required.

MAGNETIC RECORDING SPECIALISTS

Senior and immediate positions for men with experience in advanced magnetic recording techniques. Knowledge of media, circuitry and magnetic head design necessary. Requires BS in engineering or physics.

ADVANCED MEMORY-RESEARCH SPECIALISTS

Positions require MS in EE or physics and previous experience in advanced magnetic recording techniques. Knowledge of media, circuitry and magnetic head design necessary. Requires BS in engineering or physics.

ADVANCED SYSTEMS SPECIALISTS

Senior-level positions in advanced logic, circuitry, and memory development and preliminary design of state-of-the-art data processing equipment. Considerable experience required in the overall system design and integration of commercial computing equipment. BSEE required with advanced degree highly desirable.

ELECTRONIC PRODUCT ENGINEERING

Positions require a BSEE degree with experience in designing digital computer equipment and in maintaining liaison with manufacturing.

PACKAGING

Positions entail layout and design of packaging for computer systems. Applicants must have previous experience with electronic computer or electro-mechanical devices. Background in miniaturization utilizing thin films and integrated circuits is desirable. BSEE required.

SOFTWARE PROGRAMMING

Positions entail development of software for various computer input/output routines, operating systems and monitors. Applicants must have previous programming experience with machine language on a large file computer.

DESIGN AUTOMATION PROGRAMMING

Positions require previous experience in programming for design automation, good understanding of engineering and hardware problems, and BS degree in math, engineering or related field.

SYSTEMS FORMULATION

Positions available at all levels to study and formulate systems for commercial and industrial on-line computer applications, with emphasis on communications interface. Requires a minimum of two years' experience in specifying or programming real-time systems for banks, airlines or industry. A degree in engineering, business administration or related field is required.

LOGIC DESIGN

For design of advanced integrated-circuit computers. Requires BSEE and 2 to 5 years' experience in logic design with emphasis on processor and floating-point design.

POWER SUPPLY DESIGN

Power supply specification and design, including determination of power-sequencing requirements. Requires BSEE and 3 to 5 years' experience in worst-case circuit design, with emphasis on design of solid-state power supplies.

MECHANISMS DESIGN

These senior-level positions entail working with new techniques for development of advanced high-speed random-access memories. Work requires five years' experience in servomechanisms and BSEE or BS in physics; or considerable experience in high-speed mechanisms and BSME and MSEE or BSEE and MSME.

TEST ENGINEERS AND TEST TECHNICIANS

Openings in checking out, de-bugging and testing solid-state digital computers. Engineering applicants must have at least two years' experience in computers. An EE degree is desirable. Technician applicants must have a minimum of one year's experience in testing digital computers and associated peripheral equipment.

ARRANGE NOW FOR AN INTERVIEW IN YOUR AREA

Confidential interviews will be held soon in various parts of the country. Openings above are in Los Angeles. Additional openings in Dayton, Ohio, for mechanical, electrical and chemical engineers, physicists, and chemists (MS or PhD level). Send resume immediately to Bill Holloway, Technical Placement, or call collect.

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SIMULATED HUMAN EAR

Dr. John L. Stewart, president, Santa Rita Technology, Inc., Menlo Park, will describe progress in the simulation of the human ear at a joint meeting of the Audio & Electroacoustics, Circuit Theory, and Engineering in Medicine & Biology chapters on December 14.

An analog simulation for mechanical vibrations of the human ear has revealed how non-Fourier frequency filtering results in a space-time pattern for complex signals such as speech. Studies of physiological and behavioral phenomenon in insects and birds have suggested an evolutionary line to man in which neural processing takes place subsequent to mechanical analysis in the external ear. Results can be interpreted in terms of a two-dimensional motion-picture-like display containing measures of both naturalness and intelligibility. Applications and interpretations in connection with such things as speech recognition, prosthesis, bandwidth compression, echoring, and psychoacoustics will be discussed.

Dr. Stewart was educated at Stanford, receiving the Ph.D. in electrical engineering in 1953. Previously he had contributed to guidance theory and design of early Corporal missiles at JPL and to AMTI radar at Hughes Aircraft Co.

After receiving the doctorate, he began a teaching career at University of Michigan, subsequently moving to California Institute of Technology, University of Southern California, and University of Arizona. His analog ear research was begun in 1960 at Arizona. He left the university in 1962, continuing his research as president of Santa Rita Technology, Inc., which he founded in Tucson. The company and its work moved to Menlo Park in 1963.

Dr. Stewart has authored three textbooks and a number of papers in engineering and life sciences journals.

RELIABILITY & SMOG

The effects of reliability and smog on the daily lives of space electronics engineers and managers will be discussed at the December 14 meeting of the Reliability chapter.

The speaker, Lt. Col. William D. Greenfield, chief of the vehicle engineering division of the Agena space vehicle directorate, AFSSD, Los Angeles, received the B.S.E.E. at the Institute of Technology, Wright Air Force Base, and the M.S.E.E. at Stanford University.

CONVOLUTIONAL CODES

Dr. Elwyn R. Berlekamp, assistant professor of electrical engineering, University of California, Berkeley, will address the December 16 meeting of the Information Theory chapter. He will discuss convolutional codes, invertible arrays, and noise bursts.

The ability of convolutional codes to detect or correct many types of noise bursts depends on the invertibility of certain matrices whose elements are coefficients of the code's generating polynomial. The speaker shows that by proper choice of these elements one can construct codes which are uniquely optimum in their ability to correct erasure bursts or detect error bursts with the minimum delay. He will elaborate on a structure which can be exploited to make decoding of the erasure bursts unusually simple.

Prof. Berlekamp is a consultant to the communications systems research section at Jet Propulsion Laboratories. He earned his Ph.D. at M.I.T. as a National Science Foundation Fellow.

EAST BAY SUBSECTION

Program plans for 1966 for the East Bay Subsection have been announced by E. D. Jackson, publicity chairman: January 24, Space Communications—Dr. Reukema; February 28, Oceanography; March 28, Vallecitos Atomic Power Plant; April 25, Student Meeting; May 20, Ladies Night and installation of new officers —electrical and electronic aspects of wine tasting at a winery to be announced. All but the March and May meetings will be held at the PG&E Center, 4801 Oakport, Oakland.

AMES TOUR

The Aerospace & Electronic Systems chapter will sponsor a tour of Ames Laboratory, Moffett Field, on January 27. Reservations will be required for the meeting, which will be limited to 50 persons.
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Positions require MS in EE or physics and previous experience with nanosecond pulse technique and high-speed applications of magnetic cores or thin films to memories with computer systems logic and hardware.

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Senior-level positions in advanced logic, circuitry, and memory development and preliminary design of beyond-the-state-of-the-art data processing equipment. Considerable experience required in the over-all system design and integration of commercial computing equipment. BSEE required with advanced degree highly desirable.

ELECTRONIC PRODUCT ENGINEERING

Positions require a BSEE degree with experience in designing digital computer equipment and in maintaining liaison with manufacturing.

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11 POWER

meeting ahead

TECHNOLOGY IN GOVERNMENT

The first opportunity for many to hear an analysis of state government studies recently conducted by members of the California technical community will be presented at the December 8 ladies' night dinner meeting jointly presented by the Section, the Computer chapter, and the Industry & General Application chapter. Harold R. Walt, deputy director, Dept. of Finance, State of California, will discuss the role of technology in state government.

Mr. Walt intends to talk particularly about the application of systems engineering to improve government. He will discuss four feasibility studies which are examples of the application of systems engineering in the fields of waste management, information retrieval, crime and delinquency and transportation. California is applying Department of Defense techniques with problems that are getting out of hand, and should be solved more inexpensively than by other methods.

Former assistant budget director of Kaiser Industries, Mr. Walt has served the University of California, Berkeley, as assistant dean of men, project business manager of the biological laboratories, budget director of the Berkeley campus, administrative assistant to the chancellor, and assistant director of University Extension. He holds three degrees from the university, including a B.S. and M.B.A. in business administration. As deputy director, he has been assigned primary responsibility in state government for economic development, planning, and reconstruction.

Early reservations for the dinner meeting are urged.

region 6 news

ANGWIN HONORED

Bruce S. Angwin, electronic components division, General Electric, Los Angeles, and director, Region 6, was among the 125 members recently elevated to Fellow grade for 1966, his citation reading "for dynamic leadership in the growth of the electronics profession."

Chairman of the Los Angeles Section (IRE) in 1954, he was a member of the WESCON board of directors from 1955 to 1962 and has served IRE, IEEE, and WESCON in many capacities, including those involving region and section bylaws and merger matters.

Thirty-three sections make up Region 6, the eleven western states, largest in IEEE.
NEW IEEE PRESIDENT

Dr. William G. Shepherd, vice president, academic administration, University of Minnesota, has been elected president of the IEEE for 1966, it has been announced by the IEEE board of directors. Dr. Shepherd succeeds Dr. Bernard M. Oliver, vice president of research and development, Hewlett-Packard Company, Palo Alto. As president, Dr. Shepherd will head the world’s largest engineering society, which now has an international membership of over 146,000 engineers and scientists in the electrical and electronics field.

One of the vice presidents for 1966 will be Walter K. MacAdam, vice president, government communications, American Telephone and Telegraph Company, New York, who previously served on the board of directors as a director-at-large from 1964 to 1965.

Also elected were the following delegates-at-large/directors-at-large for the term 1966-1968: Dr. Edwin L. Harder, Westinghouse Electric, and Dr. John G. Truxal, Polytechnic Institute of Brooklyn.

In addition, the following regional delegates/regional directors were appointed for the 1966-1967 term: Dr. W. Crawford Dunlap, National Aeronautics and Space Administration; Prof. Rufus G. Fellers, University of South Carolina; Prof. Carl R. Wischmeyer, Rice University; and Allan B. Oxley, Canadair, Montreal, Quebec.

The remaining two vice presidents, secretary, treasurer and directors will be announced following the annual assembly of the IEEE.

1966 CONVENTION


INSURANCE PROGRAM

Complete information kits on the IEEE insurance program, including the group life insurance plan for members and their eligible dependents (underwritten by New York Life Insurance Co.) and accidental death and dismemberment coverage for members and their spouses (underwritten by American Casualty Co.), may be obtained by writing to: Administrator, IEEE Insurance Program, 1707 L St., N.W., Suite 800, Washington, D.C. 20036.

ENGINEERS

Immediate Openings

Opportunities like these come rarely—to discuss an association with a group working close to the state-of-the-art in digital and analog techniques—to participate actively in devising applications of these techniques to scientific and industrial tasks in an established company, well known around the world for instruments of superior performance.

If you are the kind of man who recognizes opportunity, we’d like to talk with you.

- Senior men with a liking for tough circuit problems in high-speed digital counting, timing and logic.
- Men with successful backgrounds in electronic digital techniques with an affinity for deriving analogs of physical phenomena and digitizing them appropriately.
- Product-oriented engineers who like to see complex hardware get off to a good start in production.
- A microwave engineer who’d like to measure GC phenomena digitally.
- A top engineer with experience in the field of designing test equipment and methods for testing our products efficiently.
- A marketing engineer who enjoys working to solve technical problems regarding equipment applications for customers and field sales personnel.

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MORE SKY PILOTS

served as assistant rabbi, director of religious education, and director of youth activities at Temple Beth El, Detroit, Michigan, from 1947 to 1951, and was rabbi of Temple Beth El, Berkeley, for ten years.

Rev. Good is associate professor of religion and Hebrew, Stanford University, and earned the B.A. from Westminster College, Pa., the B.D. from Union Theological Seminary, N.Y., after attending Princeton Theological Seminary, and the Ph.D. from Columbia University. He has taught at Union, Princeton, Pacific School of Religion, and Starr King School for the Ministry, joining the Stanford faculty in 1960.

You are IEEE’s best membership salesman. Return the pledge card in this issue and deliver the application form to one of your colleagues, following up to see that he completes and mails it with his check.

Statement of ownership, management and circulation (Act of October 23, 1962; Section 4369. Title 39, U.S. Code). IEEE Grid is published monthly, September through June. Mailing office: 363 - 6th St., San Francisco, Calif. Headquarters office: 761 Welch Rd., Palo Alto, Calif. Publisher: San Francisco Section, The Institute of Electrical and Electronics Engineers, Editor: James D. Warnock. Owner: San Francisco Section, IEEE. No bondholders, mortgagees, or other security holders. Average number of copies of each issue during preceding 12 months: printed 8167; paid circulation 7304, mail subscriptions 40, total paid circulation 7344; advertisers and courtesy copies 673, total distribution 8017; office use 350. Single issue nearest to filing date: printed 8167; paid circulation 7304, mail subscriptions 40, total paid circulation 7344; advertisers and courtesy copies 673, total distribution 8017; office use 350. (Signed) James D. Warnock, Executive Editor, October 1, 1965.
Moore, Lamm, Guarerra, Moreland, and Don Larson, general manager, make up the 1966 executive committee.

Two new members of the board of directors were also announced. They are Emmet G. Cameron, vice president, engineering, of Varian Associates, and John C. Beckett, government relations manager, Hewlett-Packard Co. They succeed John A. Chartz, Dalmo Victor Co., and John S. McCullough, Litton Industries, both retiring from the board.

Phillip L. Gundy, president of Vega Electronics Corp., and Meyer Leifer, vice president of Energy Systems Inc., both of Palo Alto, are holdover members of the board.

WESCON's eight-man board of directors is traditionally made up of four executives from southern California and four from northern California. Each of WESCON's co-sponsors, the IEEE and the Western Electronic Manufacturers Association, nominates four directors. Directors serve four-year terms.

The four directors from the current year "host city" for WESCON—in 1966, Los Angeles is the host city—are members of the executive committee for the year, along with the general manager.

WESCON will be held in Los Angeles August 23-26, 1966.

MORE FELLOWS

high efficiency lasers, was also carried out under his direction. Formerly associated with ITT's Federal Communications Laboratories, New York, National Bureau of Standards, Washington, D.C., and Bell Telephone Labs, Murray Hill, N.J., his major technical contributions during this period include the invention of the coaxial magnetron, the development of slow-wave circuits for crossed-field amplifiers, and the theoretical work on electron interaction in the magnetron amplifier. He holds the B.S. from Cooper Union, the M.A. from Columbia, and the Ph.D. from N.Y.U.

Gordon S. Kino

Cited for contributions to the design of electron guns and to high frequency behavior of gaseous plasmas, he is a professor of electrical engi

(Continued on page 10)
Tetsu Morita

Cited for contributions in the fields of antennas and the interaction of electromagnetic energy with plasmas, he is manager of the electromagnetic sciences laboratory at Stanford Research Institute, where he has been engaged in antenna research, including evaluation of ECM and missile guidance antenna performance and power handling limitations of antennas. More recently his research has been in electromagnetic interactions with plasmas. As manager he is supervising research in re-entry physics, environmental effects on antenna systems, and electromagnetic interference problems. He is the author of numerous articles. Formerly head of the antenna research group at Harvard, he holds the B.S. from the University of Nebraska, the M.S. and Ph.D. from Harvard.

Robert N. Noyce

Cited for leadership in research, development and manufacture of semiconductor devices, he was one of the founders of Fairchild Semiconductor and is now group vice president with responsibility for the semiconductor and instrumentation divisions. 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 of the previously unexplained leakage currents in silicon junctions, and data in junction transistor design and fabrication techniques. He holds twelve patents on semiconductor methods, devices and structures. Formerly associated with Philco Corp., where he was leader of a solid-state physics group which worked on the development of germanium and silicon high-frequency transistors, and Shockley Semiconductor Laboratory, where he directed the design and development of diffused silicon transistors and investigated the basic recombination process in semiconductors, he holds the A.B. from Princeton and the Ph.D. from M.I.T.

Hugh C. Ross

Cited for contributions in the development of high vacuum switching equipment, he is president of Ross Engineering Corp. and owner of Ross Engineering High Voltage Consultants, currently developing and manufacturing HV switches, relays, and devices. He has been responsible for major development and application in HV electronic and power devices, including vacuum relays, capacitors, and the vacuum power interrupter. Other areas of invention include HV vacuum tube voltmeters, the triggered vacuum spark gap, very low inductance energy storage systems, and determination of corona and X-radiation from cold emission associated with HV devices, with eight patents issued and pending. Past chairman of the Santa Clara Valley Subsection, he was formerly associated with Jennings Radio and received the B.S. from Stanford, with post graduate work at the Ryan High Voltage Laboratory.

Anthony E. Siegman

Cited for contributions to the theory and application of masers and lasers to communications, he is a professor

(Continued on page 12)

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december, 1963
ATTENDANCE RECORD FOR WESCON IN SAN FRANCISCO VERIFIED BY AUDIT

WESCON has announced verification of 37,960 industry visitors to the four-day exhibit and convention held in San Francisco in August.

In a report to exhibitor-companies, General Manager Don Larson noted that the attendance total topped the previous all-time high for a WESCON held in San Francisco, which was 35,026 visitors in 1963. The 1965 total, plus individual totals by industry category, occupation, departmental assignment, and geographical location, was verified by Lybrand, Ross Bros. & Montgomery, certified public accountants, in Los Angeles.

The verified attendance analysis, first undertaken by WESCON in 1964 as the pioneer effort in an Association of National Advertisers program to encourage auditing of attendance at major trade and technical conventions, again meets all basic requirements of the ANA program.

Commenting on the 1965 results, Larson said that WESCON directors found that "an increase of nearly 3000 visitors to WESCON seems particularly significant, since many major trade shows have reported leveling off or decreases in total attendance."

Have you returned the membership pledge card carried in this issue?
MEMBERSHIP

Following are the names of individuals who have been elected to current membership:

Mason E. Byles
Lyle C. Eyer
Hampson Lum
Walter F. Lutzweit
Marion D. Swadley

MORE FELLOWS

of electrical engineering at Stanford currently directing a research program in optical masers and their applications. He has published numerous technical articles in the fields of microwave electron tubes, parametric amplifiers, microwave and optical masers, and modulation and demodulation of light, including a book on microwave solid-state masers. He was a member of the steering committees for the quantum electronics conferences of 1959 and 1961, is a delegate from the IEEE Group on Microwave Theory and Techniques to the recently formed Joint Council on Quantum Electronics, and will be program chairman of the Fourth International Conference on Quantum Electronics in 1966. He holds an A.B. from Harvard, an M.S. from U.C.L.A., and a Ph.D. from Stanford.

Alan T. Waterman, Jr.

Cited for contributions to the science and practice of trans-horizon radio propagations, he is a professor of electrical engineering at Stanford whose research field is the propagation of short electromagnetic waves (micro, millimeter and optical) through atmosphere. He is currently chairman of the IEEE Group on Microwave and Propagation and secretary of the U.S.

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Experience in design development or manufacture of klystrons BWO or TWT's. Should be familiar with microwave techniques and vacuum tube engineering. Experience in systems and evaluation helpful.

ELECTRO MECHANICAL ENGINEER
Duties will include design of temperature control devices, electro and permanent magnets and some mechanisms design. Servo mechanism design experience helpful. Should be familiar with scientific instrument packaging oriented toward productizing designs for factory production.

MICROWAVE SYSTEM
ELECTRICAL ENGINEER to design and implement systems for evaluation of microwave amplifiers and oscillators. Background should include knowledge of microwave systems. BSEE and 2 to 5 years experience desired.

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These positions offer customer contact at high technical level in the installation, servicing and instructions in the use of a variety of scientific instrumentation. A strong electronics background preferred as the service problems include amplifiers, power supplies, feedback controls as well as information and secondary function circuits. Excellent training program. BS degree necessary.

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**Display Flatness** — ±1 dB over 100 MHz dispersion.

**Recorder Output** — A front-panel connector provides a dc-coupled analog output of the spectral display for chart recorders or other uses.

<table>
<thead>
<tr>
<th>Type Characteristics</th>
<th>Type 1L20</th>
<th>Type 1L30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>10 MHz—4.2 GHz</td>
<td>925 MHz—10.5 GHz</td>
</tr>
<tr>
<td>Minimum Sensitivity</td>
<td>110—90 (-dBm)</td>
<td>105—75 (-dBm)</td>
</tr>
<tr>
<td>Incidental FM</td>
<td>With Phase Lock, less than 300 Hz on fundamental.</td>
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<tr>
<td>Dial Accuracy</td>
<td>±(2 MHz ±1% of rf input frequency)</td>
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<tr>
<td>IF Attenuation</td>
<td>51 dB ±0.1 dB/dB in 1-dB steps</td>
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</tr>
<tr>
<td>IF Gain</td>
<td>50 dB, variable</td>
<td></td>
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<tr>
<td>Display</td>
<td>Log, linear, square law, video</td>
<td></td>
</tr>
<tr>
<td>Price</td>
<td>$1995.00</td>
<td>$1995.00</td>
</tr>
</tbody>
</table>

Type 3L10 for Tektronix 560-Series Oscilloscopes provides 1 MHz to 36 MHz spectrum analysis capability.

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