

The new Sprague Plant will be primarily devoted to development and manufacture of microelectronic circuits. A Company spokesman estimated that the new facility may eventually contain about 250,000 square feet of factory space and employ more than 3,000 persons.

Year-End Distribution And Other Benefits For Sprague Employes

A year-end distribution of $100.00 was made to all eligible employees on December 17, 1964. Employees with at least six months seniority on December 1, 1964, and who received a minimum of 25 pay checks during the eleven month period preceding December 1, 1964, and who were still in the employ of the Company on December 18, were eligible. Those who did not meet these requirements, but who met them on December 31, 1964, were eligible for a similar distribution early in January, 1965.

The presentation of the Decem- ber 17 check was made in their respective areas by Mr. Parrish and Mr. Hafer, and were a wel- come boon to holiday shoppers.

In addition to the distribution, announcements were made of a general wage increase of 2%.

Honorable Mention Trophy Awarded For The Christmas Carousel Float

Sprague Electric employes were awarded honorable mention for their float entry in the Jaycee Christmas Parade held November 29, 1964. A prize trophy was pre- sented to Stuart A. Sutherland, Assistant Industrial Relations Manager, by Dennis Howe, President of the Concord Junior Chamber of Commerce, at the January 13 Chamber of Commerce meeting.

Early in November, a meeting was held for all employes interested in contributing ideas, talent, and long hours of work for the Sprague Float. The following persons volunteered: Cathy and An- dy Ansaldo, Leon Bowie, George and Bill Claint, Charlie Dean, Carroll Dodge, Hefor Kmond, Juanita Gates, Howard Haefle, Ann Towlie, Nancy Welch, and Walter Warriner.

The mention of a carousel seemed to be most popular among the Committee members. Before materials could be gathered to- gether, a design had to be put on

R. C. Sprague, Jr.
Named Consultant, Puerto Rican EDA

Robert C. Sprague, Jr., Senior Vice President, Corporate Relations, has been appointed a Special Honorary Consultant to the Economic Development Adminis- tration of the Commonwealth of Puerto Rico, according to a recent announcement made by Frank E. Irizarry, District Manager of the EDA.

The voluntary group is composed of United States executives whose companies have subsidiary operations in Puerto Rico. Members are designated on an area basis and Mr. Sprague, Jr. will be concerned with promotional activities in the New England states.

Companies interested in establishing business operations in Puerto Rico are urged to contact a representative of the Economic De- velopment Administration in the United States who will be able to answer their inquiries as to busi- ness conditions, opportunities, and general business climate.

Mr. Sprague Forecasts Increased Growth In Non-Military Areas Of Electronics Business

Although 1964 showed an over- all increase in electronics indus- try sales, the rate of growth was slowed by a tapering off in ship- ments of our products to the govern- ment market, which was offset only in part by higher commer- cial volume. Industry sales at fac- tory prices totaled $16.2 billion, compared to $15.1 billion in 1963, an increase of 7 per cent against 9 per cent in 1963. The best gain was recorded in industrial pro- ducts, which gained 12 per cent compared to 13 per cent the pre- vious year. Consumer products sales were up 10 per cent against 6 per cent in 1963, while govern- ment products increased only 4 per cent compared to 11 per cent in the previous year.

Increasing competitive pressures as manufacturers of both sys- tems and circuit components adapted to these shifting patterns in the domestic markets, as well as continued competition from imports, made 1964 a difficult year for many electronics con- cerns. While there will likely con- tinue to be many problems to be faced in 1965, the general outlook for our industry's sales is good.

The greatest relative increase in rate of growth in 1964 was the consumer products segment, which recorded a gain in shipments to some $2.84 billion against $2.58 billion in 1963. The market for television sets increased substan- tially, reflecting not only the growing importance of color TV, but also a better than anticipated gain in monochrome sets. Fac- tory shipments of color TV sets were in excess of 1,200,000, or nearly double the 747,000 shipped in 1963. Since there was relatively little change in the average value of color sets, dollar sales nearly doubled to $485 million a- gainst $268 million the previous year. Factory sales of American- made monochrome TV apparently exceeded 7.6 million sets, compar- ed to 7.9 million in 1963; dollar volume amounted to some $835 million. Thus, total TV sales were about $1.3 billion compared to $1.1 billion in 1963.

Sprague Electric Exhibits Products At N. H. Industry Week Show

For the fourth consecutive year, products manufactured at Sprague Plants in Concord, Nashua, and Plymouth, New Hampshire were prominently displayed at a three- day New Hampshire Industry Week Show at the University of New Hampshire in Durham on January 5, 6, and 7.

The display, designed and fab- ricated by the Advertising Depart- ment in North Adams, was in the form of six tall fiberglass screens holding twelve colored panels with the various products affixed. It also included three easels with pictures of the three New Hamp-shire....
approximately $3.1 billion. Barring a decline from $3.06 billion in 1963, based on electronic shipments to the military market in 1964, compared to 53 per cent of the total U.S. market in 1964, compared to 7 per cent in 1963. In television, the percentage also dropped, from 3.1 per cent to about 2.5 per cent of the market. This is an encouraging sign that consumers are becoming aware of the greater value offered by American made products.

The outlook for consumer electronics sales in 1965 is good, and I look for total sales to be approximately $3.1 billion. Barring a business slowdown of major proportions, I would look for a good increase in color TV to perhaps 2.2 million sets, and for monochrome sets to decline modestly. Percentagewise, the best gain in 1964 was recorded by the industrial electronics market, which rose 12 per cent to $3.43 billion from $3.06 billion in 1963, based on new and more complete data recently made available by EIA. Historically, the electronics and data-processing equipment have been the most rapidly growing segment of all consumer durable goods, but this was not the case in 1964 as the growth rate for this type of equipment slowed to 10 per cent with the completion of initial large shipments of medium-sized business computers. It now appears probable that the growth rate in the computer market will remain subnormal for perhaps a year or so as the new and more powerful systems recently introduced begin to take off.

Pacing the growth in industrial electronics in 1964 was the broad category of medical, scientific, educational and other industrial equipment of various types totaling $365 million compared to $314 million in 1963. Also showing the above average gain was the very large market for communications, broadcasting, commercial sound and navigational equipment. This is now a $1 billion business of which about half represents commercial communications year.

Prospects for virtually all segments of the industrial electronics market in 1965 are good, and I look for total shipments to this market to reach some $3.8 billion or 10 per cent above 1964.

This has been a confusing year for the supplier of military electronics systems and components, a period in which planning has been all but impossible due to the many and often sudden changes that have taken place in various defense programs. Total electronic shipments to the Government market in 1964 approximated $933 billion, against $89 billion in 1963 but virtually all of this gain was in the missile and military space programs, with defense procurement of electronic products and services increasing only very slightly, by $7.7 billion to $7.8 billion. In the fiscal year ending September 30, 1964, expenditures by the Department of Defense declined to $15.5 billion from $15.8 billion in 1963, and despite a slight gain in the percentage of electronics to total procurement, our industry's share of DOC procurement declined from $4.7 billion to $4.4 billion. A further drop to $4.3 billion is in prospect for the current fiscal year.

The space programs of NASA took some $1.3 billion of electronic goods and services in 1964 out of a total space budget of $4.2 billion, and by 1966 it is probable that the government will be approaching $2 billion out of a total $8.5 billion space budget. Thus, I think it is increasingly clear that the electronics industry will have to accommodate, after a decade of constantly growing military expenditures, to a greatly reduced rate of growth in military expenditures.

For the manufacturer of circuit components, 1964 was generally challenging. It was a year of backlog shipments to the military market, particularly in the early months of the year. As the year progressed, the rate of incoming orders for military circuits began to rise, but delivery schedules have been continued on Page 4, Col. 3.
Four Long Service Concord Employees Recently Promoted To New Positions

The appointment of two new Foremen and two Engineering Assistants: Nathan Chapman and Lindsay Gregory were named Foremen for the Final Test Department on December 1, 1964 reporting to Charles Gray. Nato, a native of New London, Connecticut, received his education from Belmont High School, Belmont, New Hampshire, St. Michael's College, Winnsboro, Vermont, and the Sprague Franklin Program. He began employment with the Sprague Electric Company in January, 1959 as a Technician and from 1962 until his recent position was Supervisor for Final Test.

Nato resides in Pembroke with his wife, the former Arlene Mabey of Laconia, and two children, Daniel Edmund and Lisa Marie.

Lindsay Gregory began employment with the Sprague Electric Company in June, 1940, as a Technician and from 1962 until his present position as Foreman, was a Supervisor in Final Test.

Lindsay, a native of Sunapee, is a graduate of Sunapee High School.

He lives in Concord with his wife, the former Sandra Whitehead of Contoocook, and two children, Mark Jay and Kimberly Ann.

On November 2, 1964, Robert Curtis was named Engineering Assistant for the Transistor Device Development Engineering Department reporting to J. Gerard Bouchard, Vice President of Engineering.

Bob began employment with Sprague Electric in February, 1960, as a Technician. In October of the same year he was reclassified to a Lab Technician and in September, 1961, up to his recent promotion, he was a Sr. Lab Technician.

Bob, a native of Pittsfield, received his education at Pittsfield High School and Keene Teacher's College.

He resides in Barnstead with his wife, the former Judith Gent of Pittsfield, and sons, Gary Edward and Michael Wayne.

On January 4, 1965, Grant Avery was named Engineering Assistant for the Transistor Device Development Engineering Department, reporting to Stephen Calen.

Grant began employment with the Sprague Electric Company in August, 1960, as an Etch-Plate Technician. From 1959 to 1960 he was employed as a Production Maintenance Technician, and from 1960 until his recent position, was employed as a Development Technician.

Grant received his education from Concord High School and from the United States Air Force Schools of Radio Maintenance and Electronics Maintenance.

He resides in Concord with his wife, the former Elaine Barrington of Billerica, Massachusetts, and three sons, Eugene, 6, Donald, 4, and Alan, 2.

Credit Union Plans Membership Drive

Members of the Educational Committee of the Sprague-Concord Credit Union, Hector Emond, center, and Paul Guillard, right, discuss plans for a membership drive with President, George Mills, left.

The Education Committee of the Sprague Concord Credit Union recently announced plans for a membership and increased savings drive among Sprague employees from Concord and Plymouth, New Hampshire.

Committee members, Paul Guillard and Mr. McCarthy, are shown here with Manager of Protection, Safety and Security, Mr. McCarthy, who has been named the new President of the Sprague Franklin Credit Union.

The new organization, which was established as a result of the merger of the Concord and Sprague Credit Unions, will serve the membership of the two organizations.

Credit Union Dividends Considered Interest

Under the new federal regulations, Credit Union dividends must be reported as income from interest. They are not classified the same as corporate stock dividends, and must be reported, even if you receive less than $10.00.

220 Employees Honored At Five Year Banquet

Two hundred twenty Sprague Concord employees were honored Thursday evening, November 19, 1964, at a Service Award Banquet held at the New Hampshire Highways Hotel.

Recipient of a pin in recognition of 10 years of service with Sprague Electric was Bill McDonald, who joined the Company in North Adams, Massachusetts. The remaining recipients received recognition for completing five years of service with the Company.

As Acting Master of Ceremonies for the evening was New Hampshire Industrial Relations Manager, Altem Trottier. Company President, Ernest L. Ward, addressed the gathering. Congratulations and remarks were also made by Mr. Kent, Ishler, Vice President of the Semiconductor Division and Robert L. Parrish, General Manager of the Company's Tunnel Operations.


Announcement of the promotion of Francis J. McCarthy to the position of Corporate Manager of Protection, Safety and Security was made recently by John D. Washburn, Corporate Director of Personnel. Mr. McCarthy has assumed the duties formerly held by John P. Flaherty who retired on December 31.

Mr. McCarthy as assigned to the Customer Service Department, will report to Mr. McCarthy as assigned to the Service Department.

A former Detective Sergeant in the Massachusetts State Police, Mr. McCarthy joined Sprague Electric in June 1962 after completing 20 years of service with the State Police. As a Section Head in Protection, Safety, and Security he served as Mr. Flaherty's assistant.

A native of Holyoke, Massachusetts, Mr. McCarthy graduated from Holy Rosary High School in that city and from Bay Path Business School in Springfield. He served in the U.S. Army Air Force from 1942 to 1945 and on leaving the service was a Staff Sergeant, Instructor-Instrument Flying.

Mr. McCarthy and his family make their home on Tremont Street in North Adams.

Mr. McCarthy has acquired over $1,000.00 and undivided earnings of $5,000.00 have accumulated. The current dividend is 4.8% per cent on shares held to the end of the dividend periods, June 30 and December 31.

The Credit Union presently has plenty of money for loans. Requisitions regarding loans are posted on the Credit Union Bulletin Board in the employee entrance. If you have additional questions, see your Credit Union officers or clerk.

Mr. McCarthy is pictured here with five Five Year Service employees. Left to right are Larry Critter, Department 721; Thomas Richardson, Janet Sharbourn, Department 422; Antoinette Coughey, Department 426; and Frank Bideau, Department 721.

Mr. McCarthy is pictured here with three more five year service employees. Left to right are Armand Molin, June Florence, and Alice Beneit, all of Department 730.
Future For Three Sprague Employees Enhanced As They Complete Company Sponsored Courses

Three Sprague Electric employees recently received completion certificates from various correspondence schools.

Charles (Dick) Bock, a Process Engineer in the Transistor Process Engineering Department, began his studies in the Business Curriculum with Alexander Hamilton Institute in 1961. He received his certificate for successfully completing the curriculum this past fall.

The twenty-four subjects covered in the program involved case problems, test material and examinations. A few of the subjects covered were on Business Organization, Bookkeeping, Office Automation, Public Relations, Advertising, Accounting, Banking, Plant Management, Production Control, Cost Control, and Insurance.

Richard MacLeod, a Desorved Water Operator in the Concord Service General Department began a course in Water Treatment Fundamentals with the Water Conditioning Foundation Institute in October, 1963. He received his certificate in October of the same year for successful completion of the required forty-two subjects.

A few of the subjects included in this curriculum were Geometry and Trigonometry, Logarithms, Vacuum Tube Fundamentals, Radio Communications Fundamentals, Algebra, Physics, Micro- wave Techniques, and Transistor Circuit Application.

Any Sprague employee can take advantage of the Educational Sponsorship Program under the direction of Catherine W. Plante, Training Director. The Company provided the instruction and employment in the Concord area has been made for ready expansion on the site to a quarter-million square feet as soon as the plant is targeted for operation by Sprague Personnel. A number of potentially attractive areas were examined and the final selection was made for the Northeast, Midwest and Midwest prior to final selection of Worcester. Primary criteria in the plant survey included an industry; it is manufacture of other new semiconductor products to be announced later this year.

Marketing projections made by the Company indicate a dramatic increase in sale of microelectronic circuits over the next decade, as well as requirements for three to four thousand new employees Company-wide by 1973. An extensive plan site search for this new facility was conducted by Sprague Personnel. A number of potentially attractive areas were examined and the final selection was made for the Northeast, Midwest and Midwest prior to final selection of Worcester. Primary criteria in the plant survey included an industry; it is manufacture of other new semiconductor products to be announced later this year.

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DEPARTMENTAL NEWS

AUTONETICS

By Roberta Chase

I hope you all had a Merry Christmas and a Happy New Year. Sylvia Lodge saw the New Year in at Times Square with friends. She also went skating and Watson Warner and his wife went to the Ice Capades New Year’s Eve and ate at the Oyster House. Bob Locke is starting the New Year by growing a mustache. By the way, does Pityia Nolin have to say about Bob Locke’s mustache?

We would like to welcome Lauralyn Kimber and Tim Rardin to our Department. Edna Baro left us to attend the annual Department 721 banquet. We missed you. When the next issue comes around, you will have a new reporter. I shall miss everyone of you I had contact with.

MACHINE SHOP

By Fred Clemens

The Christmas and New Year’s holidays brought many happy hours to all the personnel of the Machine Shop. We had a big feed in the shop the day before New Year’s Eve. Each donated different kinds of food and we ended up with a banquet. Thoughts of sports and hobbies have now taken over and, of course, many of us are looking for an early spring. Paul Simard is repairing the body of a car. Dick Hardy has a dozen half boxes of herring for ice fishing, but they are all afoot in this warm weather. Paul Currier keeps making trips to Boston - there must be a girl there. Clifton Leonguer still continues to complete his home but does get some fishing in with Dick. Rod Spaulding, Jerry Courchene and myself are fixing up our boats and making plans for the early spring. Jerry still has to finish rebuild the upstairs of his home. Norm Giles has always been a helper - he is awaiting the moment for the arrival of a new addition to his family. We all are glad, but there are a few more cold weeks - even the days are longer now - see you in the spring!

TRANSPORTER FINISHING

By Sandra Baker

The holidays are over at long last. The months before Christmas and New Years are sometimes hectic - we have had a few new faces and some old ones have left. Mary Ann Weeks left Sprague to manage the Canine on Main Street, Concord. Judy Gilbert left to stay home with her baby and Robert Keyser is leaving our Department to work in the Machine Shop.

Two children of George and Dorothy Baker of Department 422 are pictured here. Louis is 14 years old and his sister Sharon is 12.

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Two children of George and Dorothy Baker of Department 422 are pictured here. Louis is 14 years old and his sister Sharon is 12.
It looks as though Santa was good to Robert Allen Pettingell. He is the 19 mos. old son of Linda of Department 721.

happiness to both in the future ... For the first time, the Evaluation Group celebrated Christmas at the China Dragon on December 17. Thanks to Steve Cullen, Andy Decote, Grant Avery, and Ray Duquette for the most enjoyable evening. Lori Wells, Christine Richardson, and Yours Truly made up the rest of the party. We all had a grand time. I’ll bet you were glad, Andy, you didn’t have to do the dishes after all. Andy sure missed his calling in life - he should have been on the stage - really quite an entertainer ... Dorie Miner, Lori Wells and I went to Helen McLaughlin’s in Barnstead for a New Year’s Party. Had a real swell time ... Philip Bakti is back working in the Development Group once again. He worked here this past summer. Hope you’ll like it here and stay a long time ... Roxie, Peggy, Nancy, Jeanette Pfeiffle and Jeanette Avery, Monica, Barbara, Beverly, Eisle, and Helen all had a Christmas Party and exchanged gifts at Linda Johnson’s house December 14, with Linda as hostess ... Nancy Hawthorne has been promoted to Pilot Technician, but it didn’t work out. She wanted to go to the head of the class. All fooling aside, the new faces looks very nice. David Clapp is replacing Tom Kiefer, who has re-entered the Submarine Service in the Navy ... Ki celebrated New Years early by having an accident. Just the car had broken, bumped, and abrasions, and had to be hospitalized for a while ... Roxie Haxie and Nancy Haxie had holiday vacations ... Jeanette Pfeiffle is back after having an operation on her legs. It sure was quiet here, Jeannette! Glad to have you back.

TRANSISTOR PROCESS CONTROL

First Shift

By Barbara Mayo

Again another year has passed.

Nine month old Carla Jean is the daughter of Joseph Russo of Department 721. It sure was quiet here, Jeannette! Glad to have you back.

We have begun our journey into a New Year with lots of snow and sleet, low temperature, etc., etc.

The Five Year Service Award Banquet held last November at the New Hampshire Highway Hotel was attended by many from the Concord Plant. Recipients of the five year pin from our Department were Eileen Buskey, Bernice Hardy, Margaret Purcell, Geraldine Schubinger, Marion Dunbar, Jane Grey, Cecile Boisvert, Ralph Boucher, and Paul Croteau. Congratulations everyone! One little thought to hear in mind - five more years and you’ll have a ten year pin! ... Process Control and production enjoyed a Christmas buffet along with the exchange of gifts December 23rd in the cafeteria. There are a few new faces in our Department - Henriette Banks, Linda Presby, Sharon Regal, and Judith Miller. Welcome aboard, girls. All of us would like to welcome back Marion Dunbar. We sure missed you, Marion ... Eileen Buskey replaced Phyllis Cummings who left. In Area I, Cecile Boisvert will be the new Metallurgical Inspector, joining us from Second Shift. Hope you like the Day Shift, Cecile - Congratulations. I’m sure you won’t like the “Dick” Edwards and their new baby ... At last, but not least, I would like to thank all those who voted for me as their representative for the Problem Panel. Please feel free to talk with me about any problems you may have or would like taken to the Panel ... Well, I guess this is it for now. See you in the next issue.

GERMANIUM PRODUCTION

Third Shift

By Avis Small

A Happy and Prosperous 1965 to all! Our shift enjoyed two deliciuos holiday suppers in the cafeteria. One at Thanksgiving and the other at Christmas. Sandy with a pretty red suit and long white beard, gave out the huge pile of gayly wrapped packages - thanks, Paul. All of us who enjoyed these feasts, fit for a king, want to thank all those who worked so hard planning and supplying food ... Marie Smith and Avis Small both celebrated wedding anniversaries in November. Marie has been married 26 years and Avis, 28 years.

Norma Dowst’s son came home from the Navy for the holidays. Richard Dowst, IC 3, is attached to the Carrier USS Wasp. Avis Small had her son, who is also in the Navy, home. Her son.

This picture was taken of Peter Sonville when he was 6 mos. old. His mother, Esther, works in Department 730.

Richard E. Dowst is the son of Norm Dowst of Department 721.

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Pictured here so peaceful looking is Tracy Brenda Harrington, the granddaughter of Alva Lewis of Department 457.

James, TML, has reported to the USS Grenadier, a submarine, based at Key West. Glenn Miner, TM3, has reported to the USS Ranger, a submarine, based in Boston for the holidays. Avis Barker got a special “Happy New Year” greeting when her baby daughter, born January 3. Her name is Debbie. Congratulations to Mr. and Mrs. J. Edwards and their new baby daughter, born November 21. The girls are named Linda Lee and Lisa Anne. Congratulations, Glenn ... Betty Magan has a new daughter born January 3. Her name is Debra Ann. Debbie is Betty’s 7th child. Best wishes to mother and daughter ... Evelyn Bostick’s husband, Pete, was home from the hospital for Christmas and again at New Years. Pete has been hospitalized since September 29 as a result of a farm accident. We hope he will soon be home to stay ... Stan Webster, Dick Jewell, Bruce Grey, Don Ross, Paul Huckins, and Gerald Smith, went to Boston to see the Boston Patriots and Buffalo play football. This was the game that was played in the snow - not really ideal weather to play football but to sit in the stands and watch. Guess the gang all had a good time and they tell me Dick had to rest all the way home ... Anne Barker got a special “Happy New Year” greeting when her son, John called her from Sioux Falls, South Dakota ... When you start to remodel a home, one thing just leads to another as Diane Cote and her new husband, Gene, have found out. We wish them many years of happiness in their new home in Manchester ... Larry Hooper attended a family reunion in Biddeford, Maine on New Year’s Eve. Fifty one members of his family attended ... Lola Millett is at home because of a broken leg and is in a fall on the way home on the morning. We miss you, Lola.

TEST EQUIPMENT ENGINEERING

By Wayne Wooler

Now that we’re over our holiday hangovers, we can settle down for the year ... We’d like to welcome two newcomers to the Department. Ron Hardy, who will work in the repair section, and Bill Horne, to the construction section ... Herman Young was the only lucky hanger from our Department. He shot a spikehorn while on his annual safari to Maine. We all had the same luck as we were stopped by police on our way to Concord ... Upon the completion of the inventory, a party was held on December 12 at the home of Norm Robinson. Singing and dancing was enjoyed by all who attended ... Irene and Dave Johnson spent New Year’s Eve in Trenton, New Jersey visiting friends while Jackie Forest and Diane Malcolm were in Boston for the holidays.

GERMANIUM PRODUCTION

First Shift

By Jane Morrill

Department 721 has been a beehive of activity for late with Curtis’ arrow striking a target repeatedly. It would seem that the atmosphere has a definite trend to the romantic side ... Among recent marriages was that of Bob Bouchard and Larumia Pfe and Larry Potter and Sharon Wells Lawrence SA is the daughter of Mr. and Mrs. Robert Chase, Bob, and in Department 730.

Richard E. Dowst is the son of Norm Dowst of Department 721.

This picture was taken of Chris Myers of 7 1/2 mos. old. His mother, Jacqueline, works in Department 721.

Pictured here is 15 year old Nancy Croteau and her new husband, Dick Edwards. She replaced Phyllis Cummings who left. In Area I, Cecile Boisvert will be the new Metallurgical Inspector, joining us from Second Shift. Hope you like the Day Shift, Cecile - Congratulations. I’m sure you won’t like the “Dick” Edwards and their new baby ... At last, but not least, I would like to thank all those who voted for me as their representative for the Problem Panel. Please feel free to talk with me about any problems you may have or would like taken to the Panel ... Well, I guess this is it for now. See you in the next issue.

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Third Shift

By Avis Small

A Happy and Prosperous 1965 to all! Our shift enjoyed two delicious holiday suppers in the cafeteria. One at Thanksgiving and the other at Christmas. Sandy with a pretty red suit and long white beard, gave out the huge pile of gayly wrapped packages - thanks, Paul. All of us who enjoyed these feasts, fit for a king, want to thank all those who worked so hard planning and supplying food ... Marie Smith and Avis Small both celebrated wedding anniversaries in November. Marie has been married 26 years and Avis, 28 years.

This picture was taken of Chris Myers of 7 1/2 mos. old. His mother, Jacqueline, works in Department 721.

Pictured here is 15 year old Nancy Woodman. Her mother, Edna, works in Department 720.
Paul Simard of Department 415 is the father of the two children pictured here. Carleen is 4 years old and Paul, Jr. is one year old.

Mattie, all of whom were married in October ... 721 is losing a five year employe - Gladyis Riker, who is leaving in January. We will all miss you, Gladys - Good luck! ... Bonnie Frest, daughter of Eleanor Prest of Area 2, has announced her engagement to James Audet of Concord.

**MARKETING**

By Judy Everett

Effieida Peightle's daughter, Beryl Woodfill, became the bride of Ernest St. Laurent on December 5 in Pittsfield, New Hampshire. Both are former Sprague employes ... Congratulations are extended to Brian and Claire Hendricks on the birth of their daughter, Lisa ... Beverly and Ken Kassell will be living in their new home in Bow by the time you, read this. When are you throwing that party you have both been telling us about, Bev? ... All of us girls in Marketing enjoyed a Christmas hunchen at Chaise's Restaurant where we also exchanged gifts ... Too bad we can't do it more often. Thanks very much for inviting you to Ted Perreault for loaning us his Mah Jongg game. Bette Archibald, Shirley Brannock, Mary Jean Neill and Mary Jones, have been having a great time with it ... If you ever want to throw another one, let us know ... Thank you so much.

**SEPT PRODUCTION**

By Jeanne Gineras

Everyone seems to have a sigh of relief that the holidays are over. It certainly has been a hectic sea- son, but from all reports, everyone had a very nice Christmas. Diamonds seemed to be a popular item in our Department. Pat Wilson and Elise Bruten each received a diamond ring and Ruth Phil- brick, a beautiful diamond watch ... Among these making trips for the holidays were Helen Anderson, who motored to Minnesota, Ann Milber motored to Pennsylvania, and Ken Klaase, finally made it to Milwaukee after all his trouble this year, our Christmas party was held at the home of our Supervisor, Bruce Bonnette. Among our entertainers were Ken Klaueck and our Foreman, Ed Las- Levine, who sang a few airs, and to our surprise Ken's wife gave us a few rendition on her accordion. It was a very nice evening. We are all patiently waiting for what the stock will bring Joanne Stoddard. We all hope it is a girl. A surprise shower was given to Joanne at Chaise's Restaurant. A corsage was presented to her and many beautiful gifts. Good luck, Joanne ... Pat Davis' son has now graduated from high school in Cal- ifornia after spending the holidays with his family. Among those bagging deer were Allen White, 128 lbs., Jack Earl almost made it but got just one-half of one. Better luck next time, Jack. This will be all for now until the next issue.

**SILICON**

By Mary Mitchell

Silicon has two new girls - Sharon Regal, who does process control, and Carmen Breen, who works on production ... Bea Girard is the proud grandfather of a new grandson, Jeffrey Lee, born December 11. There is one girl in silicon who likes to drive her car down the center strip of the turnpike. Personally, I pre- fer the road ... Loona Geary, Helen Truchon, Frances Pulley, and Mary Mitchell went out to super at the Brick Tower in De- cember to celebrate Christmas. The weather was a wonderful time ... Betty Philips is leaving to work in the food service. I hope that she has the good doing tips for her new job ... No word yet on her return ... Congratulations also to Nick Edwards on the birth of a daughter on December 12. The new arrival is to the delight of Kent Edwards ... Glennys Brown has discovered that she is not as anxious as she thought or as young as she needed to be for her ice skating exhibition over the holidays - she has the bruises to prove it! ... Guess this is it for this time. Will try to have more news for you all next time.

**B’enfund Members Elect Administrator**

A vacancy for a non-manage- ment member of the Sprague Electric Corporate Employees Benefit Fund Administration Committee was recently filled with the elec- tion of Patricia Ogan. Nominations for the position were placed on the cafeteria tables during the second week of December, and an election in the form of those nominated was distributed to the Benefit Fund members dur- ing the second week of December. The Administrative Committee consists of six members, three of whom are named from the management group, one from the Corporate Industrial Rela- tions Department of the Sprague Electric Company and one from the Industrial Relations Depart- ment of the Concord Plant. The term of an officer is two years. The officers of the Adminis- trative Committee are as follows: Chairman, Stuart Sutherland; Secretary, B. I. I. O. McManus; Treasurer, Patricia Gagne, Paul Guillard and Janice Lathrop. The chairman's duties is to pre- side at all meetings of the Board of Mem- bership and of the Administrative Committee. The secretary keeps accurate records of all meetings.

**MEMBERS ELECT COMMITTEE**

November 20 - Mr. and Mrs. Rich- ard Smith - 20 years

November 25 - Mr. and Mrs. David B.休息 - 25 years

November 30 - Mr. and Mrs. Wil- fred Prev - 25 years

December 1 - Mr. and Mrs. Roland Shoney - 18 years

December 14 - Mr. and Mrs. Basil Tyler - 25 years

December 19 - Mr. and Mrs. John Bruten - 31 years

January 1 - Mr. and Mrs. William Pilkis - 11 years

January 11 - Mr. and Mrs. Arnold Genest - 5 years

January 12 - Mr. and Mrs. Laurel Berard - 13 years

January 21 - Mr. and Mrs. Maurice Scott - 10 years

January 23 - Mr. and Mrs. Louis Belman - 6 years

January 26 - Mr. and Mrs. Wil- liam Sinclair - 6 years

February 3 - Mr. and Mrs. Rich- ard Hurley - 6 years

February 12 - Mr. and Mrs. Ed- ward Riley - 11 years

February 14 - Mr. and Mrs. Rich- ard Hardy - 8 years

February 19 - Mr. and Mrs. Harold Whittemore - 10 years

February 20 - Mr. and Mrs. John Genest - 5 years

February 25 - Mr. and Mrs. Rob- ert Guimond - 12 years

February 25 - Mr. and Mrs. Char- les Chace - 25 years

February 27 - Mr. and Mrs. Wayne Woodhull - 10 years

March 29 - Mr. and Mrs. Sher- wood Griffin - 18 years

March 30 - Mr. and Mrs. Francis Kendall - 16 years

March 30 - Mr. and Mrs. Charles Lang, Jr. - 10 years

**Engagements**

Edith Bockus and Kenneth Pur- teille, Simone Gagne and David Perron Genest, Patricia Parichand and Lionel French

Fred Roy and Michael Bobbitt, Brenda Stevens and Richard Genest, Linda Witham and Elvira Rob- erts

Paty Yawat to Emensson Deno- moore

This picture, taken a few years ago is of Len Burnet, now Supervisor in Department 720.

This picture was taken on June 18, 1946. It is of Pauline Ottenor of De- partment 720.

**Proposal Suggests Ban Year At Concord**

The year 1964 set a record for supply of chicken dumpsters at the Concord Plant. Fifty-six employees shared in awards totaling $3,913.65 for suggestions made and utilized by the Company. This figure supersedes the previous high of $2,685.40 set in 1962. The suggestions were accepted by the proposal committee and the following agencies were to be supported: American Cancer Society, Crotched Moun- tain Foundation, New Hampshire Division, American Cancer Society, and the American Cancer Society, New Hampshire Association for the Blind, and the Concord Mental Health Association.

**Suggestion Program Has Banner Year At Concord**

The program has been in operation in Concord since 1960, and has the approval of the membership and of the Adminis- trative Committee. T h e Treasurer reports the current con- dition of the Fund to the Adminis- trative Committee and signs checks for disbursements from the Fund which are authorized by the Administrative Committee. The duties of the Adminis- tration Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis- trative Committee are to be supported and the amounts of money to be given will be determined by them with the help of the proposal commit- tee. The recommendations of the Adminis-...
Sprague Sports...

2nd Shift Bowling

by Ann Towle

The Second Shift has done quite well in organizing a thirty member league. There are ten teams. Hope the First Shift girls will start a league next fall.

Ron Morin is President and Gene Harreck is Secretary. Both make it a little difficult.

The men have a 40 men league quite well in organizing a thirty ten teams. Hope the First Shift girls will start a league next fall.

Gene Harreck is Secretary. Both make it a little difficult.

Ron Morin has high abilities in Labor Relations on Under the direction of Corporate Training Director, Courtney W. Flanders. This course marks the second time the programmed learning technique has been used for group training.

The concept of programmed learning, though developed in recent years, is increasingly being utilized in Government and schools as well as industry.

Information on how you may obtain a variety of general as well as scientific programmed courses for home study is available by stop at the Industrial Relations Office.

Women's Sports

by Courteney W. Flanders

The first half of the Women's candlepin bowling season is over. The results of the first half are as follows: The Live Turtles took first place with a score of 84 wins and 56 losses. The Sharpies are second with 55 wins and 66 losses. Missing second place by one point were the Poopers with a score of 54 wins and 72 losses. Better luck next half, girls. The Sprague team has the highest average of 92. Carol Merrill has the highest single (216), high series (593) with Kathy Hale has high single (197) and high series (593) with an average of 171. You haven't changed, Ron. Still bowling up a storm as always. The Do-Gooders, D. Massey, C. Oliver, and M. Emond, are top team. Stay on your toes Do-Gooders. You're up against tough competition.

This is the Second Shift third year in midnight bowling. I'm sure it will continue for a good many more years in the future. The men have a 40 men league on First Shift. We hope the girls on First Shift will do likewise.

Meet Your Reporter

Al Sieradski is reporting the news for Men's Sports, approximately one year in midnight bowling. I hope to report on better news from the Basketball world.

In the league I hope to read about new news from the basketball world.

BASKETBALL

The Industrial Basketball League season is underway with the Sprague entry off to a fine start. Although we have a record of two wins and two losses, and are in the cellar, coach Gary Philbrick, says Sprague has put their all in the game and should have a perfect slate with a few breaks.

Sprague's top scoring forward, Bob Burritt, is well up in the top ten scorers in the League and paces the Sprague team.

By the next issue, I hope to report on better news from the Basketball world.

BOWLING

Team 6, captained by Red Locke, is leading the Men's candlepin bowling with 4160 points. Bill Baron's Team 3 is in second place with 4310 points and in third place is Bob Hale's Team 5 with 4387 points. The fourth place team is Team 1, captained by Len Burritt with 4299 points, in fifth place is Team 2, captained by Paul Gaillard with 4284 points and in last place is Team 4 captained by Louis Bellman with 4165 points. Individual high averages are as follows: Bob Hale, 168; Len Burritt, 166; and Red Locke, 162. Individual high single goes to Red Locke, 145 and individual high three games go to Red Locke, 360, Len Burritt, 356; and Bob Hale, 346.

Bowl members and their averages are as follows: Bill Baron, 168; Len Burritt, 166; Red Locke, 162; Paul Gaillard, 166; Len Burritt, 166; and Red Locke, 162. Individual high single goes to Red Locke, 145 and individual high three games go to Red Locke, 360, Len Burritt, 356; and Bob Hale, 346.

Be Careful In The Parking Lot

Crowded conditions with people on foot and cars going in every direction usually exist when shifts change or at the start and close of work each day. To prevent accidents, take your time, do not hurry, do not try to beat the carousel watching it go by the carousel watching it go by.

Dr. John L. Sprague

Dr. John L. Sprague, Senior Vice President - Engineering, will have an article entitled, "Integrated Circuits", which was published in the April 1964 issue of International Technology and Science, Immortalized when it will be buried, along with other material, in the Westinghouse Time Capsule at the site of the New York World's Fair. A total of 23 articles were selected from this journal by the University of Pittsburgh Knowledge Availability Center for inclusion in the Time Capsule. They will be buried at the World's Fair site next year and are supposed to be undislashed for 5,000 years.

In Dr. Sprague's article he noted that development of integrated circuitry, microelectronics a n d s o m e integrated electronic circuits, had been much faster than anyone anticipated although research and development had been going on in this field for nearly twenty years.

The first benefit sought was small size. During World War II the National Bureau of Standards introduced the idea of depositing conductive and resistive inks on ceramic substrates, a concept which was to be the forerunner of printed circuits, and, later, the more sophisticated ceramic-based microcircuits.

Work on thin-film microcircuitry has developed rapidly since the early 1950's. On the other hand, attempts at the other major ap-