Sprague-TCC (Canada) Ltd. Becomes 24th Sprague Electric Operation

W. J. Cunningham

Ernest L. Ward

Ernest L. Ward, President of Sprague Electric Company, was elected a board member of the National Industrial Conference Board for a term of one year at the Board's 418th Meeting held in December at the Waldorf-Astoria in New York City.

The Conference Board, founded in 1916, is an independent and non-profit institution for business and industrial fact-finding through scientific research. In terms of everyday usefulness, the Board is a source of facts and figures bearing on all aspects of economic life and business operation. The work of the Board is made possible through the support of more than 3,000 subscribing associations including business organizations, trade associations, government bureaus, labor unions, libraries, individuals, and colleges and universities.

Mr. Ward joined Sprague Electric in February, 1946 as a member of the executive staff and was made a Vice President in September of that year. He was elected to the Board of Directors in March, 1947, and was Executive Vice President in Charge of Manufacturing from 1953 to 1960.

INCOME TAX BOOKLET

For your copy contact your foreman or department head who will make delivery arrangements for you with Corporate Industrial Relations, Marshall Street Ext. 633.

R. C. Sprague Forecasts High Level of Activity for 1962

In the past year and a half, the American economy has gone through what may prove to have been one of the most rapid and far-reaching business cycles we have ever experienced. In contrast to a year ago, when most economic indicators were turning down rather sharply, the economy has already recovered most of the ground lost earlier in the year, and although differences of opinion exist as to the probability of a "sales boom" in 1962, most observers expect a high level of activity to be sustained throughout next year.

The electronics industry in 1961 turned high grade results, demonstrating excellent performances in the entire economy, with total factory shipments of end products reaching about $16 billion, compared to $10.1 billion in 1960. This good showing resulted largely from increased strong growth in the industrial market and a fairly high and steady level of military procurement. As anticipated a year ago, there was a slight drop in the value of home entertainment products shipped by our industry, but even here the strong recovery continued. The second half kept the drop from being as sharp as many had feared.

Entertainment Sales to Recover

In the year 1961, 1962 promises to be a year of satisfactory balance with inventories under good control at all levels thanks in part to careful planning of production in relation to sales. A total of approximately 5.9 million black and white TV sets were produced compared to 5.5 million the previous year, and a larger portion of table models and portable sets were produced.

Sales of color TV probably increased about 50% from the previous year, thanks in part to increased demand for home sets which nearly offset a 30% drop in other television markets. Production amounted to about 11.4 million better than 1960's 10.3 million auto sets, and 10.5 and 6.4 million respectively in 1960. A similar pattern occurred in phonographs, with factory sales of about 4.2 million units against 4.5 million, while ship- ment levels dropped to 2.8 million.

Total dollar volume in home entertain ment products came to approximately $1.8 billion against $1.9 billion in 1960. The year ahead should be a good one for the consumer segment of the industry. I look for an increase in TV set production of 5% to about 6.2 million sets, and a good gain in total radio volume reflecting a recovery in auto radio shipments to about 6 million, as well as a modest further gain in home radio. I therefore expect consumer electronics volume to recover to the $1.9 - 2.0 billion level. Dollar sales should be helped by a substantial gain in military procurement, which again is hoped to be significant after a long, slow decline. The rank-and-file of the industry may double in 1962 to some 500,000 units.

Military Electronics Increase

Procurement of electronics for military use increased again in 1961, the Sprague-Croley reason to look for further gain in 1962. The Government's anticipated military spending

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NOTICE

The 1962 parking stickers are now available for Marshall Street employees. For your sticker see Miss Pat Croley in the Industrial Relations Office. Stickers should be placed on the left rear window of your car by February 5, 1962. When you leave the company, return your parking permit to the Office.

For the convenience of our employees, our parking facilities at Marshall Street have been enlarged by the addition of a 300 car lot on the east side of Holden Street. Employees of the new lot are, be sure to bring in your car registration.

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Marshall Street lot — Production Personnel

River Street lot (Westside) — Engineering, Research, and Office Personnel

Heldcn Street lot (Eastside) — Engineering, Research, and Office Personnel
SPRAGUE EVENTS IN PICTURES...

Becerra Named Int’l Marketing Mgr. For Overseas Ops., Dept.

Mr. Lawrence Becerra was appointed International Marketing Manager of the Overseas Operations Department of the Sprague Electric Company and its subsidiaries, Sprague International, Ltd., and the Sprague World Trade Corporation by William M. Adams, Director of Sprague’s Overseas Operations.

Mr. Becerra joined Sprague Electric from the Bendix Corporation, Washington, D.C., Manager of Military Sales. Mr. Becerra was previously European Manager of the Sperry Gyroscope Division of the Sperry Rand Corporation with headquarters in Paris.

He holds a degree of Bachelor of Aeronautical Engineering from the Academy of Aeronautics and Columbia University and received a L.L.B. Degree from the Atlanta Law School. Mr. Becerra also did graduate work at Emory University, Atlanta, Georgia; the University of Paris, Paris, France; and the University of California, Berkeley, California.

He and his wife, the former Mary Scillito of Maple Shade, New Jersey, and their six children make their home in Old Bennington, Vermont.

Names in the News

ROBERT C. SPRAGUE, Chairman of the Board and Chief Executive Officer, will head a four-man task force to represent the Electronic Industries Association in a visit to Japan. The trip will probably take place in late January and is in response to an invitation of the Electronic Industries Association of Japan.

DR. GEORGE SHIRN, Group Leader, Research Laboratories, has been appointed head of radiological services of Civil Defense in Williamson County. Dr. Shirn will be in charge of preparing plans and procedures to minimize the effect of radiation on the population, food, water supplies, equipment and facilities in case of nuclear attack.

DR. PRESTON ROBINSON, Director, Consultant, for the Sprague sisters in a capacitor in which the distance between the electrodes is restricted to the extent that water is suitable as the dielectric.

HARRY KALKER, President of Sprague Products, and HAROLD V. MAY, Section Head, QAR, were awarded a patent covering a capacitor terminal and mounting ring construction that is particularly adapted for the replacement trade and which permits the capacitor to be connected and secured in a conventional wired chassis or in a printed circuit.

Continued on Page 6, col. 2

BLOODBLOOD

The Red Cross Bloodmobile will be at the Masonic Temple on Friday, February 10th from 12 noon to 5:45 P.M. and February 21st from 10 A.M. to 3:45 P.M. The quota is 310 pints. Your blood is urgently needed. Sprague Electric employees are allowed 1½ hours time off with pay to donate.

PADDLE YOUR OWN CANOE

Any New Englander worth his salt knows that the quickest and best way to get where you want to go is to “paddle your own canoe.” Particularly here in Massachusetts, people have felt quite capable of applying force to their own paddles. They launched their own businesses, and operated them successfully through good times and bad.

Massachusetts grew and prospered, and more and more people came to enjoy the advantages of its flourishing prosperity ... and in freedom of individual growth. But a strange thing happened.

Some people began to lose their conviction. They found it easier to travel in someone else’s canoe and “let George do the paddling.” It was soft living.

In this way those that lost their initiative were taken care of and the dynamic individualism penalized for their efforts. Sooner or later this kind of pulling and hauling dragged everything to dead center. As hard as the responsible Georges. They may not be far from that dead center.

We must have a responsible electorate that votes on issues and principles, and not on the personality of the office seeker. We must elect office holders who support the laws of individual freedom and permit responsible people to paddle their own canoes, and progress.

If we want jobs for our children we must recognize our individual responsibilities toward building a better climate in Massachusetts. Good political leadership — good business leadership needs the support of every responsible individual.

Participate — paddle your own canoe.

Your voice is the voice of the voter. Keep it strong, loud and clear on issues that affect you, your family and your children’s future.
Robert E. Keck To Head New Marketing Research Department

Robert E. Keck, Vice President, Industrial and Military Sales, announced recently by Neal W. Welch, Senior Vice President, Sales, that Mr. Keck will be responsible for new Marketing Research Department and Marketing and Sales. It will pro-

J. Moynihan & H. Van Hassel

SPRAGUE ELECTRIC LOG

1961 SUGGESTION AWARDS ESTABLISH NEW RECORD

The awards made by the Suggestion Committee at its November and December meetings raised the total awarded in 1961 to $4,403.00. This is almost twice the new awards made during 1960, and is a new high for a single year's total awards.

As a result of the November meeting six employees shared in the $155.00 award by the Committee, while the December meeting resulted in $240.00 going to eight suggesters.

Among the winners at the December meeting were six employees, each receiving $20.00 for their suggestion. These suggestions involved such items as a Shop Door, a Shop Sink, a Shop Stool, an Assembly Tool, a Parts Rack, and a Production Tool.

The Awards

Robert A. Fairbanks, seated center, was honored by a dinner prior to his retirement. Seated with him are Mrs. Fairbanks and William J. Nolan, Senior Vice President, Legal. Standing behind the table are: (left to right) James A. Oldham, master of ceremonies; Frederick Mc-

The Prospects of Man

Editor's note: The following article is reprinted from the Wall Street Journal of October 31, 1967. We feel it eloquently expresses the points which Mr. Robert C. Oppenheimer has been making recently in his speeches on National Security and Civil Defense.

The Future

A Europeans living in the middle of the 14th century had every reason to suppose the world was coming to an end. The Black Death was decimating the continent. In some areas, every fourth of all the people. In many other parts of the world, almost any era you can think of — calamities so numerous have occurred as to put mankind's future, or at least a particular civilization's, in grave doubt. Numerous civilizations have in fact gone under, and our own Western civilization went into eclipse some 500 years before the barbarians sacked its center. As an attitude for rational beings, this has a profound defect: It not only forgets the past but presumes to know the future.

So we have people declaring flatly that it is ridiculous for families to build any kind of home shelter. In their minds a marauding mob, if they argue, father would be caught down-

Visitor From India Tours Industrial Relations

J. P. Sangal (left) shown with Kenneth S. Brown, North Adams In-
dividual Markets, and George Roy, James Nicol, Arthur Chenai, Etta Owen, Ida Fix, Ruth Griner, Grace Blank, Helen Folino, of Sub-Miniature Dry

Continued on Page 8, Col. 2

Continued on Page 7, Col. 5
Christian with relatives in New Jersey. Pat Doubleday went to her parent’s home in Orange, Massa- chusetts. We feel that all these travelers made it back okay even though the driving conditions were very bad. She and her family were in the process of moving to Braintree Avenue. How did you fit all that new furniture under the Christmas tree?

Better late than never. I would like to pass on to you a little advice that Josephine Ferris gave me. Yes I eat too much (and who doesn’t) try what she did after her big Christmas dinner, “The Twist.” She says it works!

Sproede Inventory Control by Peggy Byrde

Now that the holidays are over we find it is rather hard to settle down. We can’t help thinking of the fast pace we were in all and the festivities we enjoyed. A great time was had at the office Christmas party and by those who went to New York City. It was a wonderful happy week-end. The tree at Rockefeller Center, the beautiful ornaments that grace the stage show at the Music Hall, the “Night Club” tour, and the food at the Taconic all made it worthwhile.

Marilyn LoPresto and her husband, Frank, enjoyed them- selves at the party and are looking forward to the Christmas party here at the plant. We enjoyed a very happy time with a crystal glass filled with bubble gum! A grand time was had by all.

A good time was had by all. Janet O’Neil of Cohoes, N.Y., granddaughter of Marjorie Joe, who went to her brother’s in Western Electric is shown in her happy with her gift from Santa – a champagne bottle filled with bubble bath and a jeweled cigarette holder.

Sydney Stackpole is already for a couple of different Christmas gifts – a champagne bottle filled with bubble bath and a jeweled cigarette holder.

Bob Ballinger received a nifty cigarette lighter symbolizing that he is a skier. Maybe that explains why he had two black eyes. Roy, that must have been some fall! Bob sure had a good time here at Santa Christmas party. A beguiling young lady is photographed.

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Isabelle Fuller of Sandia would like us to meet two of her grandchildren. They are Brenda Robert, daughter of Claire of High Reliability and Ernest of Plating, and Mark Leverone, whose mother formerly worked here.

they are now both retired. . .Well I will end my news by wishing all my co-workers and retired friends a Happy and Prosperous New Year!

Test Equipment
by Carmela Brazuz

Happy New Year to one and all, and I wish you health, happiness and more happiness. . .It seems everything around here is back to normal after the holidays. . .One room Christmas party was held at Heartwell Lodge and a good time was had by all. . .Congratulation to Cher Dalbell and her wife on their new baby. . .Nothing like being a lucky 13. . .Lucky 13 two people in the same family come home with a deer— that is luck! Chuck Begiebing leave us. He is a lucky ones.

The Twist has been quite the competition. It will kill you or cure you. Joanene Cook, Mary Canton and Fabio Gentile have found the Twist quite exciting. . .We all hate to see our dear friend and co-worker Hugh Robare—away from us—receiving after 19 years of service with Sprague, to go to the Un/display Co. We all realize that this year was the beginning of the 13th year for Hugh. . .Hugh was presented a purse from the department. . .Belated birthday greetings to all who had birthdays in December. Charlie Lincoln and his wife spent the Christmas holiday with their son and daughter-in-law in Cold Water, Michigan. The weather was nice, and Fabio Gonza, Sam Hutchings and Dick McNight. . .Farewell and good luck to Paul Austin who has left us to become the new owner of the North Adams Hotel and is feeling much better. We all hate to see this December, and think of the Christmases to come. . .Viola Zepka was like a child with a new toy—and being a first visit, they both fared very well and everyone was happy to see them. . .We had a happy time at the beginning of a Happy and Prosperous New Year for All!

Salvage
by Herbert Häfken

Congratulations to Lillian Alexander, some of us want to wish her a long and happy life. . .Lillian knew her best efforts.

We would like to welcome Alfred Aubin and hope he likes it here with us.

Filters
by Beatrice Haskell and Alice Monette

The Filter Christmas party was held at the Greylock Community Club and opened with a roast beef dinner. Santa Claus, in the person of Mary Jobin's son, A. A. Peter R. Jobin, opened the evening and one of our Filter Foreman, Louse Voice, acted as master of ceremonies. We also received gifts by the Taruck Chardons quartet who made a big hit.

The quartet also had a group singing which we all enjoyed. Dancing followed to the music of Renato Moreira and Vernetta Marchant, and some were won by Joe Shepard, Lillian Fenton and Mike Morin. The committee for the party included Alice Moutere, Mabel O'Grady, Althea Jilson, Gillie Moore, Mike Morin, Al Mars, Lucy Kenny and Louise Vincente. Mary Lewis, who retired last spring, attended the affair and we were all so glad to see her.

Eleanor Zagorski provided plenty of punch and fun as she set down to work in a beautiful blonde wig (Dagmar style). Later in the day, Lacolle Miller wore it and made a wonderful Mae West! . . .Roger Brown, now in the service, was home for the holidays and came in to see us. . .Madeleine Béro, Flo Fujinomi, and Flo's daughter, Donna, took the excursion to New York recently. They sure had a wonderful time. They may be back in the next week, and we were ready to go with them.

We had a few late vaccinations. They were done by Warnam, Francis Boudreau, Bertha Rose and Roy Lazarczyk. They should have been ready to start the next week and were well resettled. . .Ruth Haskins is wearing a very lovely diamond solitaire these days. The ladies sure were happy to see her. . .Many of us know. Best wishes, Ruth, and congratulations, John!. . .Mike Morin, who has left us, had quite an experience during the holidays. He had the chance to go up to the ski area. While Mike and the police were carefully searching the stores, Chriss, age 4, had all the tickets. It was quite an experience for both dad and son.

Subminiature Assembly

The busiest month of the year has passed, leaving behind many tired but happy workers. . .We are real good to all. . .The Christmas party held at the 1866 House was well attended and everyone had a good time. . .We had a Christmas dinner in the plant on December 20th which everyone enjoyed. . .Helen Koedt were out on vacation the last week of December. . .Girls! . . .We also had a wedding in our department since our last issue. We'd like to extend our good wishes to Francis Cencro and Nancy Harvey.

There will also be a wedding in February. . .Mr. and Mrs. Robert Mills, will marry a girl from his home town. . .How come, Harry?—Another wedding of interest to us, since the wedding of our supervisor is Ritta McOchich who re-married her former husband on January 1st. We all want to wish her . . .We are now well into the New Year—1962—may it be filled with peace and happiness for all!

Sprague Products
by Carolyn Malpas

We should like to mention some interesting stories in some little stories submitted by children of our Sprague Products Department. We wish to wish Mrs. Peat all the best wishes. . .Paul Ross on his marriage the 9th of December with Anna Moors, 9 year old son of Anna Moors, will marry a girl from his home town. . .How come, Harry?—Another wedding of interest to us, since the wedding of our supervisor is Ritta McOchich who re-married her former husband on January 1st. We all want to wish her . . .We are now well into the New Year—1962—may it be filled with peace and happiness for all!

Dorothy Blake: "Like most children I am a good girl. I have had my Christmas presents already and I am going to open them on Christmas day. . .I am going to open them all. Hugh was presented a purse from the department. . .Belated birthday greetings to all who had birthdays in December. Charlie Lincoln and his wife spent the Christmas holiday with their son and daughter-in-law in Cold Water, Michigan. The weather was nice, and Fabio Gonza, Sam Hutchings and Dick McNight. . .Farewell and good luck to Paul Austin who has left us to become the new owner of the North Adams Hotel and is feeling much better. . .We hear that Thomas De-
Barbara Dupree, Mary Creek, Jane Perrin, Yvette Dupain, Beatrice Pellicer, Ted Tash, Mary Creek and Barbara Dupree are our new girls file. Jane Perrin is working for Hank Valent, Yvette Dupain for John Campbell and Beatrice Pellicer for Bill Carlson.

Maureen Duked is working in the Order Office and will be replacing Eleanor Cooks who will be leaving us soon to await a visit from the stork. We're glad to have all you girls with us.

Along with the welcome, we must also bid farewell to a few girls. Two of our girls have left to work in other parts of the plant. They are Jean Taylor who is now working in Admin and Sandy Zanowski who is now in the Accounting Department.

Sylvia Kips, Sandy Gilmore and Carol Severin have left to await the stork. All three girls were presented numerous baby gifts. Good luck to all three girls. Our best wishes and a speedy recovery are extended to Linda Tansone who recently underwent surgery. We are all looking forward to having you back with us, Linda. Congratulations are in order for Jean Zilka on her recent engagement. The wedding is being planned. That's all until the next issue.

Busy Beaver News

Metal Clad Finish

by Helen Shura

Everyone welcomes back Alice Nichols, Joan Mahar, Lina Shepard, Judith Pugliese and Edith Ames, who have returned from their leaves.

New people in our department are John McConnell, Elizabeth Sheer, Joanne Couture, Jane Livoti, Dorothy Higgins and Lucille Beaupre. We hope you will like working with us.

One of our desk clerks was recently transferred to work for Neil Tanguay and was presented a purse of money. We all miss you Wanda and hope you like your new job. Irene Manchester is spending a vacation resting at home.

Congratulations go to Sylvia Beaudin, who has returned from her winter leave with an announcement that she is engaged. Congratulations also go to Emma Flanders on her marriage to Walter Klypel. They are now residing on Spring Road in Adams.

We are all delighted to hear that John Brouillette is an assembler that corner she has been transferred to work for Neil Tanguay.
Little Terry St. Denis lives in California and is the great grandson of Mary Deas of High Reliability.

High Quality Coolers by Edythe Jones

Hi, everyone! Happy New Year! Hope you all had a wonderful holiday season. We had a few very clever girls who planned their vacation to cope with all the fixins. They were Lucille Miller, Jo Petravich and Pauline Buterli. Ann Furtin and her husband journeyed to Maryland to enjoy the Christmas week-end and meet their daughter and her family. They understood they got a little mixed up in that maelstrom, but they finally made it okay. Bill Hughot had a very exciting time. He put his toe up twice in one day—finally decided it looked better out behind the garage. Just to make things very, along came a case of measles and one of mumps. Clear up Bill, this can’t go on forever. Five of the girls went up to usher the week before Christmas. You might know it turned out to be one of the biggest snow storms of the year that night, but everyone made the supper at the Four Acres in Williamstown.

After being cut, banged and black and blue by a veteran blind, Betty Demers has decided housework is too dangerous. She’d rather go out to work. . . .Welcome back to Flora Neibergan. . . .and inventory done, we can relax and think about our next day off—which will be Memorial Day. Our Foreman, Lloyd King, his wife and daughter spent Christmas in Florida. From all reports they had a lovely time and a nice trip. Don Rancati and his wife and daughter spent Christmas Eve together. One day recently, Jack from force of habit, said, “Yes, honey”, so Don answered, “All right, mother”. Nellie Hewitt said, “Mother? You mean, ‘tiger’.” He never seemed that cross. We bet he likes that.

The department looked pretty good. . . .The department had their Christmas party at the 1896 House in Williamstown. It was informal and a lot of fun. We would like to know who the two girls who went and they will got a strike? Also, who was the girl who fell at the alley? Who is the girl who couldn’t bend and tie their shoes. Who was the girl that went and saw ‘Snooky’ Lanson at the Marshall Street Plant. After being cut, banged and black and blue by a veteran blind, Betty Demers has decided housework is too dangerous. She’d rather go out to work.

Continued from page 3
Capsule Editorial

One of the phony ideas getting wide circulation in the U.S.A. these days is that if you are a humanitarian you do not see a humanitarian. Humanitarianism is being defined as opposed to the profit system — which is pictured as greedy, selfish, and evil.

But here are just two facts we ought to concentrate upon:

1. Every practical humanitarian project in the United States exists and thrives solely because of the profit system.

2. Every so-called non-profit enterprise in the United States operates on gifts supplied by those who make the decision. This winter is rough enough, without any other whatnot. Let's post ourselves to another "snow job."

Ernest L. Ward

Prior to joining Sprague Electric, Mr. Ward, who was graduated from Princeton University in 1923, had been a general partner with F. S. Moerely & Co., Chicago investment bankers, for whom he served as a specialist in analyzing, studying, and making profits. He is a specialist in analyzing, studying, and making profits.

Little Mark Windrow, grandson of Hazel Windrow of Metal Clad Finish, was on the hunt with his grandfather and saw the world.

Names In The News (Continued from page 2)

DR. WALSH, R. F. BARD, and DR. ROBERT P. AURY, of Research, were awarded a patent covering a phenolic-acid compound for aluminum electrolytic capacitors.

JOHN H. MICHELS and WILLIAM D. WILLIAMS, of New York Sales Office, were awarded a patent for the "Transinductor" which is a variable circuit device that permits in the designing of transistor circuits.

DR. KURT LEHOCZKY, Research Associate, was awarded a patent for an elongated solid-electrolyte battery cell capable of being coupled to conform to available space.

LIVINGSTON L. RICK and DONATO F. ENGELMANN, of Engineering, were awarded a patent on a plastic film capacitor in which a lead-in from one margin of the capacitor has an enlarged head which is impregnated in the opposite margin.

SIDNEY D. ROSS, Research Associate, was awarded a patent for an use of an additive in a Vitamin Q capacitor, wherein the additive decomposes to saturate the capacitor with hydrogen.

GERALD A. LEBERT, of the Planning Department, and NORMAN D. SCHMIDT, Plant Engineering Department, were awarded a patent for a durable plastic mounted cushion for securing an electrolytic capacitor within a container.

Suggestion Awards (Continued from page 3)

In addition to awarding the highest award of the year, Sprague Electric also celebrated its 33rd Annual Suggestion Awards. A trophy was awarded to Charlmer's department. A trophy was presented to Charlmer's department.

Bennington By-Lines

By Lillian Alexander

Deer season, Thanksgiving and Christmas have all come and gone so what do you say we just reminisce a little... To all you poor tired hunters who hiked the woods from dawn to dusk and did not get a single shot, know just how you feel. For two weeks Charlie and I were up at four in the morning with about one hour allowed for handling yourself up so you can brave the cold, packing a little lunch and a thimble of coffee, basking warmers and all that sort of stuff (though we were too cold to stop and leave to be ready to come back and rest). Nothing much discouraging happens to us until Christmas brings us to our destination — it is still dark, but nevertheless you squat and hope you might be lucky and see one bedded down in the fields. Dawn finally arrives and you go out, we hike up the mountains. Every few yards we have to stop and regain some of the breath we lost with age. This looks like a good spot — Charlie looks down with deer scent (this is supposed to be irresistible to the buck) for some unknown reason, three days after Christmas and Charlie insisted that we have our meals in separate rooms. However, this doesn't stop you and eat up. I'm far too discouraged so I brace the deer went all for the cause of getting a few more shots in. You spend much of a night that seemed to follow me around the woods was Charlie. We then de- cided to go separate ways — not too far off because if I did shoot a deer I wouldn't know what to do with it. I nearly fell off my perch — Charlie's trusty old cannon just went off at last deer. I got up on all fours and tried to reach the point where he was and saw him bending over his victim — to speak was impossible. I was going to tag the perecipe and drag him down but I convinced him that wasn't the proper thing to do. He would just have to wait till I shot a deer. Again, the same story. This is hard to explain but that soon after evening we called Buck Martin (excuse me, "Bud"). You know it is hard to explain but that soon after evening we called Buck Martin (excuse me, "Bud"). I knew by the time you set out before dawn again the follow- ing morning. We smoked a couple of cigarettes and bed down for the rest of the afternoon. At 4 o'clock we figured they would be done and we were off at the road after the road. After some time we arrived at the company of you — didn't it? This went on till the end of the season! Oh well, as they say, there's always next year.

Bennington Christmas Party

By Mary Steven

December 8 was the night for our gala Christmas party which was held at Mt. Anthony Country Club. A sumptuous supper was served and preceded by a social hour. Santa Claus was on hand to present the ladies with beautiful corsages and Christmas angels, and to the men, a wonderful spread of food and even Santa Claus. A few more days of shopping in between and then the Test Equipment Department party at Heartwell Lodge — again the meal was terrible and the atmosphere was just great. I only wish those young people wouldn't do the twist. I can't do it... Then came the big day! What lovely gifts... Was Santa good to all you people? He was to me. Now we write down for a couple of days of rest — are you kidding! We have to visit Bill and Low Novack, Irene and Maurice LaVend, Mary and Mike Cantoni, Carmela and Paul Blondeen, and Barb and Jack Kelly. I enjoyed every minute of it... excuse me, I just collapsed!!

December 29 — Mr. Robert P. Auty, Director of Research, was awarded a patent for a variable circuit device that assists aluminum electrolytic capacitors. Mr. Auty was presented to Charlmer's department.

Another feature of the evening was the presentation of a prize to Charles Pray as winner of the Horsehoe Tournament. A trophy was presented to Charles Pray as winner of the Horsehoe Tournament. Another feature of the evening was the presentation of a prize to Charles Pray as winner of the Horsehoe Tournament. Another feature of the evening was the presentation of a prize to Charles Pray as winner of the Horsehoe Tournament.
Sprague Components

Program has been revised upward so far for less than four times since the last budget was presented by the Eisenhower administration last January.

I expect a further gain in our industry's military shipments in 1962, resulting not only from the higher defense spending to which our government is committed, but also from the steadily increasing demands of modern weaponry on electronics for intelligence and control. Much of this gain will probably be in computers and other data handling equipment, and this figure does not include large amounts of radar, sonar, and other data gathering devices which make up some of our larger weapons systems.

**Computer Sales to Grow**

Computers and data handling devices are also one of the faster growing markets for us. Of the $1.9 billion total for industrial electronics in 1961, some $500-600 million was represented by computers, which economists differ considerably.

In computers, however, further growth is expected, sales of industrial controls, laboratory instruments and other competitive products of this nature in- increased, sales of industrial controls, laboratory instruments and other competitive products of this nature increased only slightly, reflecting the relatively low rate of capital equipment investment in industry in a recession year. The outlook for the industrial market in 1962 is generally favorable, but the level attained will doubtless be shifts in importance well beyond 1962, and there is no doubt that such a slow product can be included in this field for the next few years, however. I believe the electronics industry at a whole must keep in mind some of those problems that remain to be solved before these techniques can be adopted. For example, drastic further reductions in the size of today's already miniaturized circuits is largely infeasible with the achievement of the higher reliability needed in complex systems, while size and cost are also a trade-off consideration in many applications. Provided that these limitations are not kept clearly in view, I believe our industry can move for- ward soundly in the perfection of integrated circuits and other improved techniques of assembling its products.

8% Increase in 1962

As we look forward to the new year, I believe there is reason to expect that the total value of electronic end products at the factory will increase about 8% over that for the year 1961. If further price reductions take place, 1962 could show the first decline in sales volume in the last eight years, but this should be the exception and not the rule for manufacturers who hope to make a good profit in semiconductors. Despite the difficulties in which this part of our industry finds itself, semiconductor technology continues to have a major impact on the require- ments for other types of components. I look for a continuation of this inf luence to create opportunities for the development of an increasing variety of improved components of the passive as well as the active types. A great deal has been said in the past year of the coming age of the integrated circuit and electronics, and there is no doubt that much progress can be looked for in this field over the next few years. However, I believe the electronics industry as a whole must keep in mind some of those problems that remain to be solved before these techniques can be adopted. For example, drastic further reductions in the size of today's already miniaturized circuitry is largely infeasible with the achievement of the higher reliability needed in complex systems, while size and cost are also a trade-off consideration in many applications. Provided that these limitations are not kept clearly in view, I believe our industry can move for- ward soundly in the perfection of integrated circuits and other improved techniques of assembling its products.

**Sprague is a Forerunner**

The Project started, in almost every respect, from ground zero, and within a short span of time, gave solid proof of the acceptance of the Com- mand Module as a space flight device. Autman Shepard's initial space flight represented the first step toward the perfection of space flight systems. Sprague Electric components played a role in the perfection of the flight path of the spacecraft. Many Sprague Electric components were incorporated in the ground space and ground communication networks. In the test equipment and ground support equipment, many Sprague Electric capacitors, resistors, filters and trans- mitters occupied a significant place.

The tracking system which elec tronically followed the Freedom 7 spacecraft utilized a team of guidance systems, radar and telemetry units all synthesized with the Cape Canaveral headquarters. Here again the reliability and precision of Sprague Electric components played a vital role in maintaining the flight path of the spacecraft from lift-off to splash-down. The historic flight of Astronaut Shepard will be indelibly recorded in American history along with the many trials and frustrations that preceded this embryonic undertaking. From start to finish the entire Mercury project presented a picture of co- ordination, initiative and cooperation which has no parallel in this modern technological age. Countless ex-
Sports

Highlights of First Half Competition...

First half champions of the Sprague Men’s Independent League were the Control Lab I team. The league bowls at 6 P.M. on Wednesdays at the Mt. Greylock Bowl. Though they were the league leaders during the first half, things have evened off and without the same handicap as before, they have slipped in recent standings to fourth place. The Control Lab I team members from left to right are: Al Volpi, Eddie Zienulak, Pat Torchia, Jimmy Lynch and Donald Morris. Absent when the picture was taken were Dick Bush and Pete Desnoyers.

The Minuteman Team were the first half winners of the Sprague Ten Pin Bowling League by a narrow margin of half a game over the Paint Shop. The Sprague Ten Pin League bowls at 9 P.M. on Wednesday evenings at the Mt. Greylock Bowl. Minuteman team members are: (left to right) William Burdick, Jack Severin, Normand Monette, Larry Burdick, Bob Genesi, Frank Maxymillian and Hewey Rand.

BOWLING...

All the interplant bowling leagues are well past the halfway mark and interest is running high while the bowling is the consistency of Terry White, Jr. bowled a remarkable 191 game on November 17, 1961 at the Crescent Bowling Alleys in Adams. Harold was bowling in the Men’s Candlepin League on his first string of the evening when he set the new Berkshire County Record.

Passing Thoughts...

There’s a brilliant future ahead for the boy who found a pocketbook containing a $10 bill. He returned the money to the owner – but first chang’d the bill to ten ones.

* * *

Etiquette is knowing which finger to put in your mouth when you whistle for the waiter.

* * *

The basic plot of Soviet literature is boy meets tractor and girl meets tractor. The basic plot of Soviet literature is boy meets tractor and girl meets tractor.

January Girl of the Month

Our vivacious Girl of the Month, Sally Hilliard, poses at the foot of the Dutchman’s Holiday Trail at Dutch Hill in Heartwellville, Vermont. Week days Sally is busy as secretary to Mr. Bruce Carlson, but weekends find her out on the slopes.

Not only does she enjoy skiing, but Sally is engaged to Roger Ottman, a member of the Dutch Hill Ski Patrol. Her other activities include bowling with the Daisy Queen team at Mt. Greylock Bowl and she recently served as Co-Chairman of the Fall Festival Queen Committee.