Dr. Preston Robinson Granted 103rd Patent Since Joining Company in 1929

Dr. Eric Clarke Speaks To Management Club On Thermonuclear Attack

Dr. Eric Clarke, Vice President in Charge of Research and Development of Technical Operations, Inc., a private research firm which made a detailed study for the U.S. Government Civil Defense officials of the possible results of an atomic attack by Russia on the United States, was guest speaker at the February meeting of the Management Club held at Taconic Park Restaurant in Williamstown.

As a result of their survey Dr. Clarke feels that in the event of a thermonuclear attack on the United States, Northern Berkshire communities would be relatively safe. He felt that this area would not suffer from fire and blast and that fallout would be less than in many other parts of New England.

Dr. Clarke said that any initial attack would be aimed at eliminating our retaliatory bases as soon as possible to reduce our capacity to fight back. Because our bases will soon be hardened it will be necessary to employ ground组织领导 hydrogen weapons and store almost ditches with them. Air bursts, whose effects on ordinary structures are much more wide-ranging, are expected to have considerable commercial value.

Dr. Robinson has been associated with Sprague Electric since 1929 when he was named Director of Research and Engineering. In 1932 he became a member of the Board of Directors and now holds the present position of Senior Consultant.

He received his S.B. and S.M. degrees in chemical engineering from the Massachusetts Institute of Technology and obtained his Ph.D. in physical chemistry from the University of California in 1925 where he was a teaching fellow.

Dr. Robinson is a member of the Materials Advisory Board of the National Academy of Sciences and he has been a consultant to the Department of Defense on many occasions. Among his recent assignments he has been a consultant to the D.D.O. Working Group on Electronic Materials.

8 Suggestion Award Winners Share $611

Eight ambitious Sprague employees will share a total of $611.00 as a result of their suggestion proposals. Top award winner was Mary Courtemanche of Automatics Tahaltum Finishing who will receive a check for $250.00 for her idea to use two hard rubber tips on the leaf bend operation. This will allow four lights to be cleaned at one time.

Walter Gould of Check Inspection at Beaver Street is $75.00 richer for his idea to test units before they are stamped with serial numbers and stored numerically. Jack Burdick of Quality Control shared a $70.00 award with Joseph Trzpis, a former employee. They suggested a change in X-ray operations to make it possible to check six units at one time.

Peter Wol, Sr. who now works in the Special Products Division Process Engineering was awarded $60.00 for Receives Suggestion Check While on Leave

Mary Courtemanche of Automatics Tahaltum Finishing was on a leave of absence when she received the good news that she had been awarded $250 for a suggestion made through the Company's Suggestion System. Her foreman, Edward Sprague, made the presentation.

C. H. Peterson, Automatics Briefing Specialist, Conducts Three Sessions With Sprague Employees on February 8

Mr. C. H. Peterson, Assistant to the President, Automatics Division of North American Aviation, conducted briefing sessions with Automatics personnel on February 8. A total of three sessions were held in the Building 9 Conference Room with each group receiving an up-to-date report on the present status of the Minuteman Retractable Program.

The first silo-based Minuteman squadron located at Malmstrom Air Force Base near Great Falls, Montana, became operational as of February 11. The Minuteman Missiles themselves will be scattered over an area comprising roughly 32,000 square miles. The Missiles will be connected by 32,000 miles of cable (interconnecting one to another) to check six units at one time.

One of the approximately 6-foot high Minuteman Missiles will be deployed in simple, underground silos known as silos which extend 84 feet into the ground. Mr. Peterson exhibited slides showing the construction of the silos and how the bolts are dug out of the ground by heavy-duty construction equipment. He explained how the steel shafts were further re-enforced by steel piping and huge amounts of concrete.

The silos are covered by a 15-ton slab of concrete which can be removed for firing in approximately 3 seconds. The firing itself is initiated in approximately 30 seconds. The firing time for each of the three stages in a missile is 1 minute per stage, so that in 3 minutes the missile would be flying at 600,000 feet at an approximate speed of 17,000 miles per hour.

Mr. Peterson showed other slides depicting the construction of personnel bunkers which are close to the missile itself and are also built underground with reinforced steel and tons of concrete. These personnel bunkers will actually serve as a check-out console for identifying trouble areas and will not give access to the silo.

The missile itself would be launched by two officers stationed in an underground launch control post, miles away. Our launch control post will launch 10 of the approximately 50 missiles in each squadron. In an emergency, however, any one of the 5 launch control posts in a squadron will be capable of launching all 50 missiles.

There are four men permanently assigned to the launch control posts and the tour of duty is 63 days. Two men are on duty at all times and sit at dual controls. Two men are necessary to turn the firing keys in a predetermined sequence and to push the firing buttons, also in sequence. The two men are officers in the Strategic Air Command and hold a minimum degree in engineering and are encouraged to further their education toward more advanced degrees.

The Minuteman silos are connected by miles of secondary country roads over which huge vans carry missiles to and from their positions. Mr. Peterson stressed the need for extreme reliability relative to the maintenance of the missiles when placed in the silos.

Sprague employees working on the Automation program gathered in the Building 9 Conference Room to listen to Mr. C. H. Peterson, Automatics Briefing Specialist. Mr. Peterson praised them for their outstanding efforts on the job.

Allyn Bascom Receives Human Relations Award At Brotherhood Dinner

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Allyn Bascom, an Account Specialist in Sprague Products, was this year's recipient of the Human Relations Award of the Northern Berkshire Chapter, National Conference of Christians and Jews, at its Annual Brotherhood Dinner held on Tuesday, February 19.

The Brotherhood Dinner Committee, in announcing the selection of Mr. Bascom, said the award was made "for outstanding work in the enrollment of Cuban families in this area, reflecting the principles and practices of brotherhood in the highest level."

Specifically, the committee said, "When the Social Action Committee of the First Congregational Church of North Adams was notified that a temporary home was needed in this area while permanent residence was sought for a Cuban family, Mr. Bascom, without hesitation, said he would be glad to share his home for whatever period would be necessary. He had no idea how long a period this might be."

"The Cuban man, wife and child lived with the Bascoms for three weeks. After this period, Mr. Bascom continued to assist these people to make a difficult adjustment in a new strange land."


He and his wife and three children
J. E. Flanagan Named Associate Manager at Newton Sales Office

Neal W. Welch, Senior Vice President, Sprague Electric Company, announced on May 1 the appointment of James E. Flanagan as Associate Manager of the Company’s Sales Office in Newmarket, Massachusetts. Mr. Flanagan has been a member of Sprague’s Sales Engineering staff in Newmarket since his graduation from the University of Vermont in 1956. He was previously associated with the Cambridge Instrument Corporation and the Micromold Electronic Manufacturing Corporation.

Mr. Flanagan will report to William F. Arnold, Manager of the Newton Sales Office.

Natl. Engineer’s Week Observed Throughout Northern Berkshire

The 15th annual observance in Berkshire County of National Engineers’ Week was held the week of Feb. 15-21. The theme for the week’s observance was “America’s Engineers Build for the Future” with emphasis placed on long-range developments of space communication technology.

The week’s activities opened on Monday with an open house at the Berkshire Museum in Pittsfield with an illustrated talk on “Engineering Contributions to Future Space Programs” by Dr. Fred L. Niemann, Assistant Director for Technical Programs in the Northeastern Office of the National Aeronautics and Space Administration at Cambridge.

During the week special programs were held at several junior and senior high schools throughout the county. At Drury High School Mr. Nicholas DeNepo planned to give his senior physics students in conjunction with National Engineer’s Week a talk on “The Use of Remote Radiometers at the Sound Laboratory at General Electric, Pittsfield to probe the atmosphere on Tuesday they were shown a movie on Telstar which was supplied by the Bell Telephone Laboratories. Mr. Bruce Dillart of Pittsfield was to have been present to answer questions from the students.

Who Profits From Profit? (First of Five Articles)

The profit someone else makes may put money in your pocket. The profit someone else makes may put money in your pocket. If and insufficent profit is earned in any industry, there is a possibility that the company will go out of business. Any increase in wages or benefits granted will mean to our people and our national strength and progress.

For the whole American economic system is dependent upon profit. Not one American firm is profitable for profit is little understood by the general public.

It is important that they be understood, because profit today are under pressure from some influential politicians, from some labor leaders and from taxation within the country and competitive forces outside the country.

It is worthwhile, therefore, to keep an eye on the profits and not on the profit as the population increases. Jobs must be available for persons who become unemployed when old industries retire or are shut down.

For these new jobs to continue in being, the new enterprises must earn profit, too, or they will be shut down.

Obviously more new businesses will be started and more old ones will decide to expand to answer questions from the students.
Well, here we are in February again, and by the time you read this news we'll be looking forward to spring, vacation, etc. ...We certainly have had our share of cold weather and know that early and frequent snowfall will be welcomed by all. Our work has been rather slow and there isn't much news to report this month.

Two of our girls are planning trips to Florida. Yvonne Day is going to Fort Lauderdale for the first two weeks of March and Bess Peier, our check inspector, will spend two weeks in Cozumel and Daytona Beach. They plan to do some shopping while they are there.

We would like to extend our sympathy at this time to the family of Joe Matranga of Maintenance. Joe died recently at the VA Hospital in Albany where he had been a patient for ten months. It was our privilege to be able to visit Joe several times and to take his wife to the hospital to see him. If you who read this LOG news have someone at the hospital in Albany, or know of someone from here who is a patient there, take some of your family with you if you have room.

I'm sure you'll find, with me, that the tragedy is great in knowing that you are seeing joy to others. ...The Miscellaneous Papers Department at Beaver Street enjoyed a day of special joy last week so it's "so long" until time for the April news.

**TRIBUTE TO JOE MATRANGA**

By Doris Richards

I'd like to pay a tribute.

To a friend that we all know:

A fellow yeppie hip-hop

That's been known to us as Joe.

For many months he suffered

And had a lot of trouble; but

But now his suffering's over

For Joe's gone home to Heaven.

For God has called your loved one

To let his suffering end.

And the family he did adore.

Our little smiler is Glenn MacDowell.

And everything to eat.

And a wave of the hand

When Joe was in the wheelchair

Well the time has come to report

the news for February at Beaver Street again. ...There have been several changes in our department... our floor director, Ms. Stoeber has left to return to Marshall Street. We were sorry to lose her. ...For Joe'll be There to meet you...

**High Reliability Test and Show**

By Erolan Lawczynski

With all the snow and cold weather it is hard to believe that there is a definite aroma of orange blossoms in the air. Helen Petruna has her dia-

and tastier there. ...Thelma Bissaillon is celebrating her wedding anniversary.

The Miscellaneous Papers Department at Beaver Street enjoyed a special day with a little home party for Theresa Kiel on the death of her mother. ...Mrs. Francis Sobon on January 27.

The Miscellaneous Papers Department at Beaver Street enjoyed a day of special joy last week so it's "so long" until time for the April news.

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Page 4

SPRAGUE ELECTRIC LOG
February, 1963

Industrial Oil Sides
by Florence Clough

Sorrel tipped me off last month’s column and I hope the new year will bring bigger and better columns for theLOG.—The members of this oil side of Vermont are shining the following for the items for each person:
—Peter Andoogla—a sign for his desk reading “I can’t live without this delivery date.” . . . Steve Bradford—A good set of whirlpool tires to report on. . . . Elaine King is new in service for her collection. . . . Larry Moreau—a king size hot dog roll for the new dachshund. . . . Millie Morace—a set of magazines for her room. . . . Henry Pepin is all smiles since the rerun of the LOG in March. . . . Dave Reid is next, the skier best of all we have. . . . We'll get to you, little tunes. Donold Chandall who will celebrate their 20th wedding anniversary in March. By the way, she’s been enjoyed by the families all. . . . Next we have Ralph Sherman, a new employee. . . . Alice Kawa—We extend our deepest sympathy. . . . Barbara King and Betty Johnson with Yours Truly serving on the committee. . . . No I’m late, I’m late, no time to say hello. . . . Hello to everyone.

High Quality Coolers
by Evelyn Jones

“We don’t have hard winters anymore—snow doesn’t last. . . . Violet Shea of FP Drys is very happy—no snowstorm to eat up those January blizzards. Everyone discovered they had many unusual moves for they were all knocked after all that snowfall. Oh well, we can’t go on being fairies! edna Allino started the vacation season. She stayed home to admire her new quilt. . . . Frank Brown is a new employee. . . . Dupre and Pauline Belluti. Hope your stay will be a long one. . . . Good luck to Betty DeMers who elected to be a grandmother eight times. . . . Olive Crandall—a market basket. . . . Gladys Costello—a market basket. . . . Mike Horan is a chef to help her husband get some rest. . . . We are happy to learn that Jo Sullivan’s husband, Pat, is recovering from his recent illness. . . . Mary Ouel is two years in the hospital recently—her mother and her daughter-in-law. . . . They are both feeling better now. . . . Vivien Modena was doing a lot of shopping lately. Can you guess what? For yes, fishing tackle and when we submit our news for the April issue of the LOG the first day of fishing season will be a thing of the past and a nice trout dinner will have been enjoyed by our family and fishermen. We hope you are all looking forward to the National issue of the LOG in March.

Tantalum Finish
by Bob Witherell

Your favorite reporter almost didn’t make it in time for this issue of the Sprague LOG. I got snowed in during the last storm we had. I ran out of cigarettes and didn’t have any more. A lot of the boys think I am because he didn’t make it. We could all jump in his shoes and paddle away with the snowboard.

We would like to welcome Harold Love to our little band. I hope he enjoys working with us. All the boys would like to wish Harry Arbour a very happy birthday and hope he will be well soon and back to work with us.

Tantalum
by Amelia Koga & Gladys Modesk

—Shoveling out after the snowfall. . . . As the snowplow has deposited huge drifts in the driveways, the men have to shovel them out those wild mornings. Needless to say, got caught in a flood. We could all jump in his shoes and paddle away with the snowboard.

We would like to welcome Harold Love to our little band. I hope he enjoys working with us. All the boys would like to wish Harry Arbour a very happy birthday and hope he will be well soon and back to work with us.

This happy little baby is Debra Lynn Mendel, granddaughter of Phyllis Fields and Frank Department, Brown Street.

Check Inspection
by Betty Jones

We extend our best sympathy to Stella Zieminski on the sudden death of her son. . . . We are happy to hear that Jeannette Kounouza is making a speedy recovery after a serious operation. Keep up the good work. . . . It is a pleasure to introduce two of our newest employees in Check Inspection and Tantalum—Tom Wo- jick and Richard Powers. Both have completed service in the armed forces. Tom spent three years stationed in Germany in the Muscle Battalion and Dick served for six months. Both men are from Adams. Tom worked at William College before going into the service and Dick worked at Zayres. They are both athletes and we hope to see their names in the sports news. We are happy to learn that Jo Sullivan’s husband, Pat, is recovering from his recent illness. . . . Mary Ouel is two years in the hospital recently—her mother and her daughter-in-law. . . . They are both feeling better now. . . . Vivien Modena was doing a lot of shopping lately. Can you guess what? For yes, fishing tackle and when we submit our news for the April issue of the LOG the first day of fishing season will be a thing of the past and a nice trout dinner will have been enjoyed by our family and fishermen. We hope you are all looking forward to the National issue of the LOG in March.

Little Gary Gaynette is the 2 year old son of Frances and Raymond Gaynette. They both work at Brown Street.
Joanne Jenks and Lillian Alexander.

lock Bowl in the Sprague Ten Pin

tend our deepest sympathy to Martha

tasson who has left us to await a

brother.... If anyone is looking for a

to be busy these next few months.

Morandi on the birth of a bouncing

baby girl.. . .Janice Brule's mother,

are sent to Dominick Papas who was

a square dancing enthusiast. Maybe

have more news next time as we will

well, after her battle with Scarlet

Fever . . . Tony Tasson's daughter San-

celebrated her 7th birthday on

January and entertained in little

to her parents. She didn't find 13 unlucky

at all—quite the opposite, with all

and fun and games. She is the delight

Pauline Derocher who left us our de-

partment recently, Pauline was pre-

sented a farewell basket by a group who

had all at a great time at Green Acres in

Cheshire. She will be missed by many

because she truly is loved by all.

Cooky Hurley now is on Cloud 9,

since her beautiful baby arrived on

Friday, February 1st. Congratulations

from all of us, Cooky!

Charles Gaspardi is six years old.

The children's grandmother is

very proud of both of her children—and

her lovely gifts.

Diane Carol Gaspardi was a wel-

come addition to the Gaspardi family.

She has three older broth-

ers shown below.

Test Equipment

by Mary Canton

By the time this article is read most

of us will have forgotten the snow

dorm of January 27, but not Peg

Slater. She was one of the few who

were busy yesterday cleaning out

Reservoir Road. The snow drifts were so

high that Peg couldn't get out at all.

Now that snow is gone, however. Good old Peg—

nothing could keep her off the job for long.

A stock party was held for Joy

Bischoff yesterday by Mr. and Mrs.

Joan and Alan Kustrin. The grandmas

are proud of both of her children—and

her lovely gifts.

Sales Office

by Mary Lou Edin

Our heartiest congratulations are

extended to Charles Hanley Sr.

Michael Gaspardi, age 12, is the

oldest of the group. We can see why

their grandmother misses

them in every peanut some of the gang

wonders in every peanut some of the gang

wonders
Desrosiers, spent her vacation with them last year.

February, 1963
Suggestion Awards
Continued from page 1
his idea on a new mold release for use in the Sample and Small Order Department of SPF. Two Machine Shop employees, Albert Barbuto and Bernard Barbuto, each received $50.00 for their suggestions. Mr. Barbuto received an original award of $75.00 in December 1961 and the suggestion was re-opened and the additional award made. He had suggested an open tube to stop wire from bending and sticking in the jaws of automatic welders. Mr. Barn- burt's idea had to do with an insert and mandrel with ballbearings for...
THE TRADING POST

FOR SALE

1939 GREAT LAKES TRAILER 42' x 8'. (2) bedroom; front kitchen with washer. Completely furnished with rug in living room. Call 743-2005 after 3:30 P.M.


G. E. REFRIGERATOR. Very good condition. $50. Suitable for home or camping. Call MO 3-7609 after 4 P.M.

BLOND MAPLE DINING TABLE. (1) table, (chairs), buffet and hutch. Also refrigerator bar ideal for rumpus room. Call MO 3-9792.

SMALL WESTINGHOUSE TABLE RADIO (4 tube). New $10. Sunbeam Mixer with power and motor. Call 743-1306 after 4 P.M.

PIANO - Must be in good condition and reasonable. Call for 8-5 shift. Call MO 3-6047.

FROM MIDDLE ROAD, CLARKSBURG TO MARSHALL STREET (1) BLUE; (1) EGGSHELL GOWN. Call 743-3708.

1959 WESTINGHOUSE DINING ROOM SUITE includes table, (6) chairs, buffet and hutch. Call 743-2005 after 4 P.M.

WASHER. Completely furnished with rug in living room. Call 743-2005 after 4 P.M.

MASHERS. (1) new, $5.00; (1) used. Good condition. Call 743-2005 after 4 P.M.

MIXMASTER POWER TRANSFER UNIT and SUNBEAM MIXMASTER MEAT GRINDER. Call 743-2005 after 4 P.M.

FLASH CAMERA WITH BULBS & BATTERIES and Instruction book. $9. Call 743-2005 after 4 P.M.

For Rent

SINGLE HEATED ROOMS—pleasant, near center of town and shopping locations. Call 743-5396 after 4 P.M.

SUMMER COTTAGES ON WASHINGTON CREEK. Completely furnished; 2-3 bedrooms. Private beach. Off-season rates June and September. Make reservations early. Call GL 8-3613 or GL 8-4745 after 6 P.M.

WANTED

UPRIGHT PIANO—Must be in good condition and reasonable. Call GL 8-5391.

CAMP or LARGE LOT OF LAND (10 acres or more). Must be reasonably priced. Call MO 3-9461 after 4 P.M.

Child Care

WILL CARE FOR ONE OR MORE CHILDREN IN MY HOME: 5 P.M. to 11 P.M. or on Saturday nights. Call MO 3-7563.

Trading Post Rules -

1. Ads are published as a Service for Sprague employees only, at no charge.
2. Ads are accepted from employees who are on lay off.
3. Ads will not be run more than once, unless re-submitted.
4. Unsigned ads will not be printed, names will not be published.
5. If ad is for more than one article, combine on same form.
6. Application forms for ads are available from the Log Desk.

SPRAGUE ELECTRIC LOG

Engineer's Week

Continued from page 2

was unable to attend because of illness.

On Wednesday Dr. George Shirn, Group Leader in the Research Laboratories, spoke to the students on "Laws and Meters." A great deal of research is being conducted in this field at the present time. Laws and meters are devices for making coherant radiation – one in the microwave region and the other in the light region of the electromagnetic spectrum. This has many applications in research and technology, and also has great possibility in both industry and medicine.

On Wednesday a joint dinner meeting of the engineering groups and the Pittfield Section of the American Society for Quality Control was held at the Stanley Club in Pittsfield. Guest speaker was Dr. A. V. Fenigsznan, ASQC President and Manager of Manufacturing Operations and Quality Control for General Electric Company, with headquarters in New York City.

A climax of the program was a dinner dance held at the 1896 House in Williamstown.

SCHOLARSHIP APPLICATIONS

John Sears has been busy as a bee lately. He has been building and painting to get ready for a new arrival. It's not what you might think! He and his wife, Peg, bought a new washer and drier and he had to make room for them.

How dare you staying about the post-office? – Neither art, nor rain, nor snow, etc. shall keep me from delivering the mail. This also applies to our Ray Dickinson. He has to come all the way from Manchester every day and the snow won’t keep him from work or from making his daily trips to and from North Adams each day to deliver the mail.

Marion P. is playing it smart this time. She gave up eating those calorie filled doughnuts every morning before the call for the new year or too much Twisting. I talk about Twisting – a party was held for Art George, Foreman of Wire Coating, who is leaving us. A good time was had by all. You should see some of our Limbo experts.

If you notice a pair of pretty legs in a white convertible hold, they belong to Barbara LeBlanc. Bud Mattison showed her a new way of getting her car started on these cold winter days.... Don Rent, with his little Volkswagen, has to leave his in the garage car.... Mary Steinen and Narnia Razza are going to get together and Ringling Bros. in the way of cheating at Jeopardy so they can beat Audrey Foucher and Peggy Smith of Sprague sponsored night school courses.... Well that's all for now. February is coming so cheer up.

Bennington Gen. & Wire Coating

BY LAUREN ELMER

January—oh, a month. It’s the month that women love for many reasons. One of the main ones is that it is the month of sales galore! January white sales, dollar day sales, and winter clearance sales. We female creatures are just naturally bargain hunters. I can just picture one fast on finding with all of these great sales in January—everyone is usually sold on fashions to preserve the holiday mood. We have just Ormal Pierce to Department 743. He new works for Henry Elloch. It is hard to keep your mind on your work with all those pretty girls around, Ormal. Although Ormal didn’t go far too far away, Art George is leaving us permanently.¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯¯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SPRAYGUE BOWLING

Bowling

The Sprague Ten Pin Leagues are well into the second half of their schedules and all indications point to keen competition for league leadership.

The Women's Ten Pin League, largest of all leagues with sixteen teams, shows the Seven-Up's in first place as of February 13, 1963 while the first half champs, The Sprague Keys, are struggling mightily as they challenge the Minutemen who are sparked by the continued superb bowling of John Cummings. They are leaders in this league.

The Sprague Produce Leagues can boast of the bowling of Buzz Johnson, while the Independent League has had good bowling from both George Forgea and Ernie Johnson.

An interesting bowling note: Skybolts of the Sprague Leagues captured the '62 bowling champ, Buzz Johnson, while the Independent League has won the bowling champ, Mike Johnson, 614. Skybolts, being entered for bowling here, is a bowler at Skybolts who is a bowler at Sprague's bowling club.

The Sprague Products Leagues have had good bowling from both George Forgea and Ernie Johnson.

League Standings

WOMEN'S TEN PIN LEAGUE

(as of February 13, 1963)

<table>
<thead>
<tr>
<th>Team</th>
<th>Wins</th>
<th>Losses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seven-Up's</td>
<td>26</td>
<td>6</td>
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<tr>
<td>Nicotines</td>
<td>24</td>
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<tr>
<td>Metal Chads</td>
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<td>8</td>
</tr>
<tr>
<td>R &amp; E</td>
<td>22</td>
<td>10</td>
</tr>
<tr>
<td>Ten-Sets</td>
<td>22</td>
<td>10</td>
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<tr>
<td>Leftovers</td>
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<td>10</td>
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<tr>
<td>King Pins</td>
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<td>14</td>
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<tr>
<td>Sprague Keys</td>
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<td>14</td>
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<td>Western Electric</td>
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<tr>
<td>QAR</td>
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<td>Fabmika</td>
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<td>Cornell</td>
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<td>20</td>
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<tr>
<td>Bowling Bx's</td>
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<tr>
<td>IBM</td>
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<tr>
<td>Clorettes</td>
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<td>24</td>
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<tr>
<td>Mix Ups</td>
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<td>Lambs</td>
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<td>24</td>
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<tr>
<td>Tantamals</td>
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MEN'S INDEPENDENT LEAGUE

(as of February 14, 1963)

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<tr>
<th>Team</th>
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<tbody>
<tr>
<td>Shop</td>
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<td>Western Electric</td>
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<tr>
<td>Standards</td>
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<td>Autometrics</td>
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<td>Methods</td>
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<td>Shooting</td>
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<td>QAR</td>
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<td>Tool Equipment</td>
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<td>23</td>
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<tr>
<td>High Team Triple—Standards 2555</td>
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<td>High Individual Triples—Earl Williams 653</td>
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<td>High Team Singles—Autometrics 994</td>
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<td>High Individual Triples—Roxy Corn 257</td>
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<td>High Average—George Forgea 173</td>
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MEN'S TEN PIN LEAGUE

(as of February 13, 1963)

<table>
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<tr>
<th>Team</th>
<th>Wins</th>
<th>Losses</th>
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<td>Minutemen</td>
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<td>Ceramic Lab</td>
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<td>9</td>
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<tr>
<td>Patrons</td>
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<td>10</td>
</tr>
<tr>
<td>Tantamals</td>
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<td>11</td>
</tr>
<tr>
<td>Field Engineering</td>
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<td>11</td>
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<tr>
<td>Lambs</td>
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<td>11</td>
</tr>
<tr>
<td>CIR</td>
<td>9</td>
<td>11</td>
</tr>
</tbody>
</table>

**Sports Quiz...**

Test your sports knowledge and grade yourself as follows: 0-2 poor; 3-4 fair; 5-7 good; 8-10 very good.

1. What was the highest earned run average to lead either major league and who was the pitcher who owned it?
2. Who was the only regular to hit over .600 in a World Series, and who was his batmate who hit over .500 twice in World Series play?
3. Who was the National Basketball Association leader in "most rebounds per game" in the '61-'62 season?
4. What top college football play-er won the Heisman Trophy in 1961?
5. Who was the only player who played for the first year for men by scoring 45-12 points in the National Football League?
6. Who were the first National Basketball Association champions?
7. What of these pitched his league in wins eight times — a major league record?
   a. Bob Feller
   b. Warren Spahn
   c. Walter Johnson
   d. Leonard

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*Interlocking room units that can be buckled onto a house as the family expands.*
*Closed circuit television systems for viewing calling at the front door.*
*Wall units which open doorways in walls.*
*Waves that keep hot or cold air from coming in.*
*Cordless telephones will start dinner on signal, take recorded messages, open doors, or order groceries at a specific time.*
*Heating units attached to trees.*
*Closed circuit television systems.*
*Thermoelectric heating, cooling and lighting systems built into the walls.*

**Sports Quiz Answers**

1. Mickey Mantle
2. Bubba
3. John Cummings
4. Buzz Johnson
5. John Cummings

**Sports Quiz...**

Test your sports knowledge and grade yourself as follows: 0-2 poor; 3-4 fair; 5-7 good; 8-10 very good.

1. What was the highest earned run average to lead either major league and who was the pitcher who owned it?
2. Who was the only regular to hit over .600 in a World Series, and who was his batmate who hit over .500 twice in World Series play?
3. Who was the National Basketball Association leader in "most rebounds per game" in the '61-'62 season?
4. What top college football player won the Heisman Trophy in 1961?
5. Who was the only player who played for the first year for men by scoring 45-12 points in the National Football League?
6. Who were the first National Basketball Association champions?
7. What of these pitched his league in wins eight times — a major league record?
   a. Bob Feller
   b. Warren Spahn
   c. Walter Johnson
   d. Leonard

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