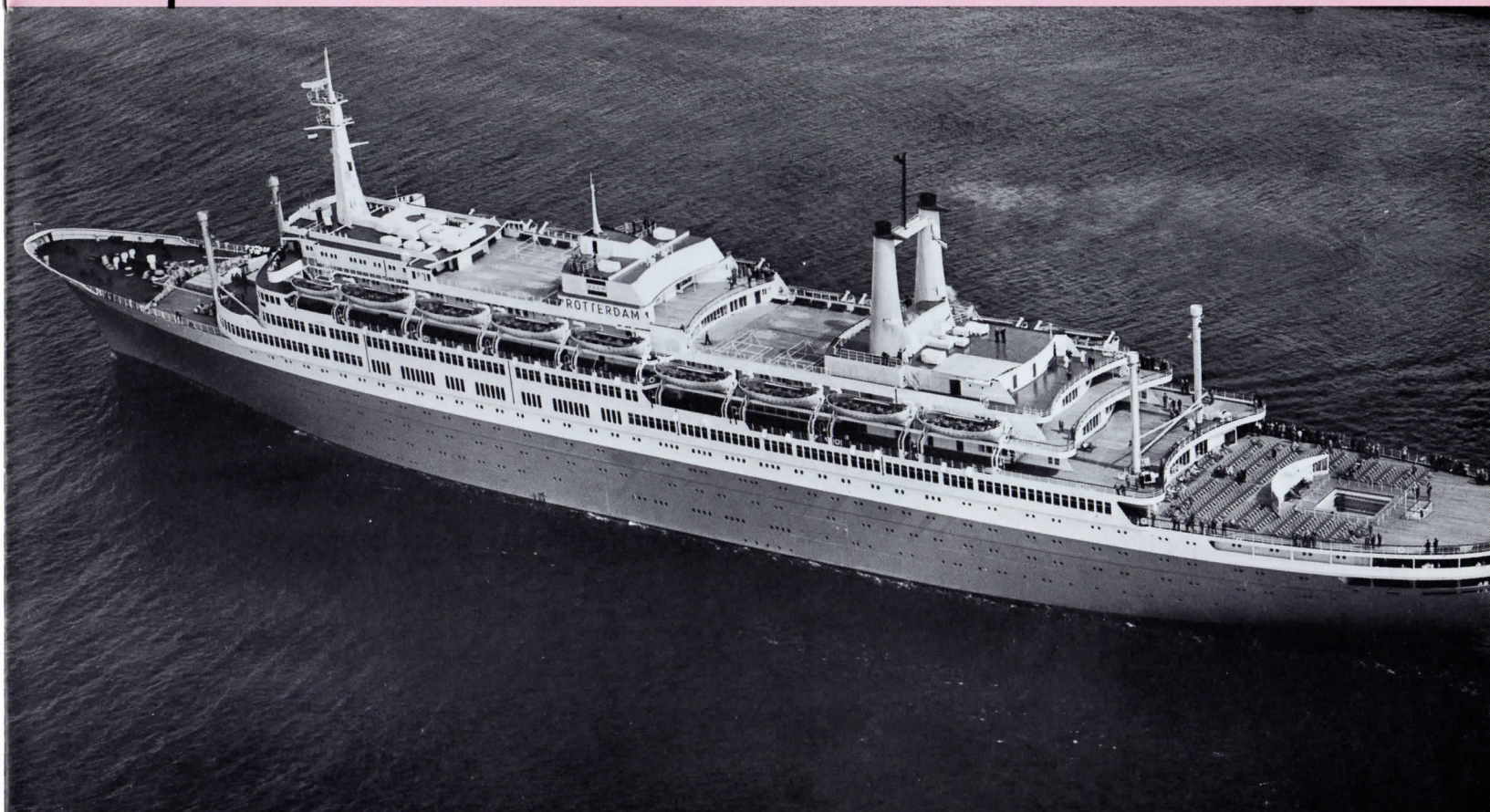


the **AMCHEM** *News*

VOLUME THREE—No. 1

MARCH 1960



D. S. S. ROTTERDAM

Photo courtesy of KLM-Aerocarito N.V. and Verhoef, Neth.

the AMCHEM News

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Reporters: Barbara H. Emerson, Agricultural Research; Dorothy DiLauro, Agricultural Sales; Andy Ducsik, Ambler Plant; Nellie Niblock, General Accounting Office; Chris Andersen, International Division; Wilbur Hall, Metalworking Research; Anna Lucas, Metalworking Sales; Toni McBreen, Packaging; Harry Croll, Pilot Plant; Blanche Van Buren, Detroit; Frances Adamac, Windsor; Virginia Chequer, St. Joseph; Patti Shipe and Penny Wildoner, Niles.

William A. Drislane
Editor



On Our Cover

Apart from the fact that the D.S.S. Rotterdam makes an extremely attractive cover picture, this flagship of the Holland-America Line has aluminum lifeboats which have been given a chemical treatment of Alodine* for corrosion resistance.

There is no more severe test for aluminum than salt spray—and in this respect trans-ocean liners really get the works, but they're prepared to take it with their Alodine* coating.

The seven hundred and forty-eight foot long Rotterdam registers 38,000 gross tons and is the fifth largest vessel using the port of New York. In trans-Atlantic service she accommodates a total of 1,440 passengers in first and tourist classes. She made her maiden voyage to New York last September.

*Alodine is a registered trademark of Amchem Products, Inc.



Sound **ADVICE** — for Prospective — **HOME BUYERS**

The following bit of sound advice should prove extremely helpful to any of our Amchem employees who are contemplating either immediate or future home ownership. The article shows how serious pitfalls can be avoided by pre-purchase planning and exercising a little precaution. The information is furnished as a public service by the Cayuga Federal Savings and Loan Association, Philadelphia, and was written by this association's president, **ALBERT L. IVERS**.

How much can you afford to pay, and what monthly installments can you afford? This should be the Number One Question for the prospective home-buyer to answer, says Mr. Ivers.

Question Number Two probably should be: How big a house do you need?

If the first question is to be answered properly, there should be several replies, involving your age, income, and probable budget. The second question relates to the size of your family and the ages of your children.

Proper answering of the first question should involve serious bookkeeping. If the man of the household is fairly young, he probably can count on an increasing income over most of the mortgage period. But if he is within a few years of retirement, and has no source of income other than salary, he would be ill-advised, for example, to purchase a house at a cost in excess of two-and-a-half times his annual income.

If the man's wife works, what is her age? In the case of one lender, half the wife's income is credited if she is under 32. If she is over 32—and therefore less likely to become a mother—that particular lender may extend full credit.

Also entering into the home-buying picture are the amounts a family habitually spends for such things as entertainment, recreation, travel, etc.

The best way to arrive at a sensible picture for the purchase of a house is by an honest tabulation of your current expenditures. By this is meant separating the housing from the non-housing expenses and reducing them to a monthly basis.

Nonhousing expenses would include the following: Food and clothing, utilities and fuel, life insurance and savings, recreation and entertainment, installment payments, medical, transportation, gifts and charity, taxes not withheld, miscellaneous.

Add them up and deduct the total from your net take-home pay, and the remainder is what you can consider monthly income available for your house.

Suppose this income amounts to \$125 a month, and you have \$2,500 available for a down payment. It is fairly safe to say—depending on the terms you obtain—that you can undertake a house that sells for from \$17,000 to \$21,000.

Owning a property is very different from renting, and entails a new set of expenses that must be taken into consideration. Among them are upkeep, insurance and taxes.



Amchem Exhibit at New Delhi, **INDIA FAIR**

At the First World's International Agriculture Fair in New Delhi, India, the U. S. pavilion "was the showpiece" among the 12 nations represented and "one of the most successful exhibits the U. S. has staged." We have no less an authority for this statement than *Life* magazine (January 25). Speaking in glowing tones, *Life* gives us additional news about the Fair. "The golden domes and columns gave the building the look of an ancient temple. But inside, instead of priests and altars, brisk Americans demonstrated milking machines and explained techniques of U. S. farmers to crowds of Indians." Included among these "techniques" which the visitors learned about, were the widespread use of herbicides and growth regulators in American farming and home gardening. A close scrutiny of the photo-

graphs (above) will show that the various cans and packages of these herbicides and growth regulators are familiar to *Amchem News* readers.

More than 1,000,000 Indians viewed the impressive U. S. displays whose theme was "Food, friendship, freedom and family." *Life* reports that "neither the Soviet exhibit, decorated with a model rocket, nor the Chinese, showing simple farm machinery, drew as many visitors as the American."

The purpose of the \$2,500,000 U. S. exhibit, which is sponsored by the Departments of Agriculture and Commerce and the Atomic Energy Commission, is to help India produce more food.

The Fair was officially opened by President Eisenhower, December 11. It closed February 14.



(At Left) President Eisenhower officially opens First World's International Agriculture Fair, New Delhi, India, last December 11. Left to right: U. S. Ambassador Ellsworth Bunker; The President; Henry Kearns, Assistant Secretary of Commerce for International Affairs; Clarence L. Miller, Assistant Secretary of Agriculture; Nathaniel Knowles, General Manager of Fair; Dr. Punjabrao Deshmukh, Indian Minister for Agriculture; Selim Karagulla, U. S. Exhibit Manager, and Richard Viets, Deputy U. S. Exhibit Manager.

(Above Left) This young Indian lady uses the label on the can as an educational tool to learn the purposes of Amchem herbicides.

(Above Right) The delicate tracery of oriental art provides a pleasing background for Amchem's herbicides.

Photographs on this page courtesy U. S. Department of Commerce.

"Putting Trees To Sleep"

(Or Woodman, Don't Spare that Tree)

When Joyce Kilmer wrote

*"I think that I shall never see
a poem lovely as a tree,"*

you may be sure he wasn't thinking of those unwanted scrubs that raise their nasty little heads among their towering brethren in the vast forests that cover huge areas of our Northwest and South, or blight otherwise fertile pastureland in the cattle-raising sections of our country. These pygmies of the botanical world create an economic problem for both the forester and the rancher. They deprive the taller and heftier trees of a full quota of nourishment. Furthermore, bigger and healthier species could be grown on the same sites.

In the low, riverbottom lands, oak, gum and other similar hardwoods thrive; while on the dry, south slopes the conifers (the cone-bearing trees like pine, etc.) mature to healthy stature. If a conifer were to sprout up among the hardwoods, it would be considered as undesirable. Similarly, if a hardwood were to appear among the conifers it would be considered an interloper. Neither the conifer nor the hardwood would be in its natural environment and would only reach a stunted growth, with a maximum height of about 20 feet and a trunk diameter of only about two to 10 inches.

An expedient method of ridding forests and pastures of unprofitable trees up to 10 inches in diameter is by injection of Amchem's Trinoxol* (2,4,5-T) or a 50-50 combination of Amchem's Dinoxol* (2,4-D) and Trinoxol. Ideal solutions of these chemicals are being worked out by numerous researchers throughout the country, including Dr. J. L. Smith at the Southern Forest Experiment Station, Hot Springs, Arkansas. Amchem's current recommendation is 40 pounds per 100 gallons of oil of the butoxy ethanol ester of Trinoxol, and the same proportion is recommended for the 50-50 combination of Dinoxol and Trinoxol. However, we might suggest that a lower rate of both the Trinoxol and the combination of Dinoxol and Trinoxol be tried on limited acreage with the injector. Diesel oil has been the most effective diluent in research and commercial practice with the injector. The manufacturer of the injector tells us that the cost of deadening timberland and brush by the injector method is only \$5 to \$7 per acre, and this includes the cost of chemical and labor.

To understand fully how tree injection is accomplished we will first have to know something about the structure of a tree.

The main stem or trunk of a tree has two principal functions. It holds the crown (the series of branches with their leaves) erect and exposed to the sunlight and air. It also acts as a conveyor to carry water and food from the roots to the crown. If a trunk is sawed, the cross section would look like the illustration shown on the opposite page.

Continued on next page

Continued from page 6

On the outside of the trunk is the bark. Immediately under the bark is a layer of phloem cells and under this is a layer of cambium cells. The cambium cells keep dividing to form the phloem cells on the bark side and to form xylem cells on the pith side or center so that each year a new ring is added to the bark, and another to the pith or wood. The age of a tree can be determined by counting the annual rings on the surface of a stump.

Since the cambial region is the vital part of the tree, this is the area which has to be penetrated in order to "put the tree to sleep." For this operation an implement or tool called an injector is required. The injector consists of a cylinder with a lever at the upper end and a two-inch curved bit screwed into the bottom end.

Injection is made by striking at the base of the tree at an angle of approximately 60° with the ground. By tripping the lever at the upper end, the chemical is released into the cut through a one-tenth-inch opening in the cutting bit. Approximately one tablespoonful is released into each cut. Naturally, the larger the tree the greater

the absorption of the chemical. Care must be taken that the opening or "pocket" be filled.

It is only economical to kill trees from two to 10 inches in diameter by the chemical injection method. For trees of larger trunk diameter it is cheaper to "girdle" them, that is, to cut through the bark into the cambial cells completely around the trunk. For diameters under two inches, spraying the base of the tree with the chemical is sufficient.

One lumber company owning extensive acreage employs ten-man injector crews. These crews, although comprised of unskilled labor, are highly organized and well schooled in their work. A typical crew consists of a foreman, six men with injectors, two men with knapsacks for basal spraying on the small trees and one man with a girdling machine or axe for the larger trees. Crews go through the timberlands literally like a swarm of locusts.

What becomes of the dead trees? In time they drop to the ground, become covered with an accumulation of leaves and eventually decompose into the kind of rich soil all of us would just love to have in our gardens.



17 from Amchem Attend NEWCC Annual Meeting

AMCHEM again was very much in evidence at the Annual Meeting of the Northeastern Weed Control Conference held at the Hotel New Yorker, New York City, January 6, 7 and 8. This was the 14th assemblage of this weed control organization. Seventeen people from our Agricultural Division attended the various specialized sessions. Papers were presented orally by Mel Sutherland, who is in charge of secondary screening at our Research Farm, and by John Kirch, ACD Research Development Specialist (Brush Control). Sutherland's paper, entitled "Response of Soybeans to Several Substituted Benzoic Acids," was based on research which he had done at the Farm. Coauthoring the paper with Mel were Dr. Stan McLane, Dick Hart and Harvey Raman, all from Ag Research. This paper was given at the all-important general session held in the hotel's grand ballroom in the afternoon of the opening day.

Kirch Opens Session

Kirch opened the afternoon session of the Industrial and Highways Section on the following day by delivering a paper on "The Invert Emulsion - A Promising Tool for Right-of-Way Maintenance." In addition to Kirch, "Tex" Waldrum, Amchem Research Mechanician, and

Harold Brown, Central Virginia Electric Coop., were coauthors of the paper. Kirch was also a participant in the panel discussion on "New Application Techniques and Chemicals for Brush Control," which followed.

Roy Johnson was a panel member of the group that discussed "Herbicides and Techniques of Application for Highways." This discussion closed the Industrial and Highways' Section on Friday.

Gallagher Presides

At Thursday's Agronomic Crop Section, John Gallagher presided at the morning business meeting and was chairman of the three-hour afternoon session. This included moderating the discussion from the floor in "Pre-emergence Crabgrass Control." At Friday's session of this section, Tony Tafuro, ACD Field Development Staff, presented the Co-ordinating Committee Report—"Pastures and Hay Crops."

In addition to those already mentioned, the following from Amchem's Agricultural Division attended: Bill Allen, Chemical Director; Bob Beatty, Director of Research and Development; Russ Bishop, Supervisor, Barbara Emerson, Research; Jim Farrell, Sales; Ed Lacko, Sales; Jake Landis, Chemist; Dick Otten, Research; Al Schneider, Chemist; Danny Shaw, Staff Assistant, Sales; Jack Taylor, Manager of

Industrial Chemical Sales; Joe Torchiana, Sales and Advertising Manager of Lawn and Garden Products; and M. B. Turner, Sales Manager.

Large Attendance

A total of approximately 650 people attended one or more days. Published proceedings, including papers, approximated 540 mimeographed pages.

It was gratifying to note that in the well-over one hundred papers which were presented, and in the various discussions, the name Amchem and its products frequently cropped up in a very favorable way.

Amchem is one of the sustaining members of the Conference along with such notable firms as DuPont, Dow, Monsanto, Allied Chemical, Union Carbide, et al. In the field of herbicides, Amchem is an acknowledged leader by these industrial greats.

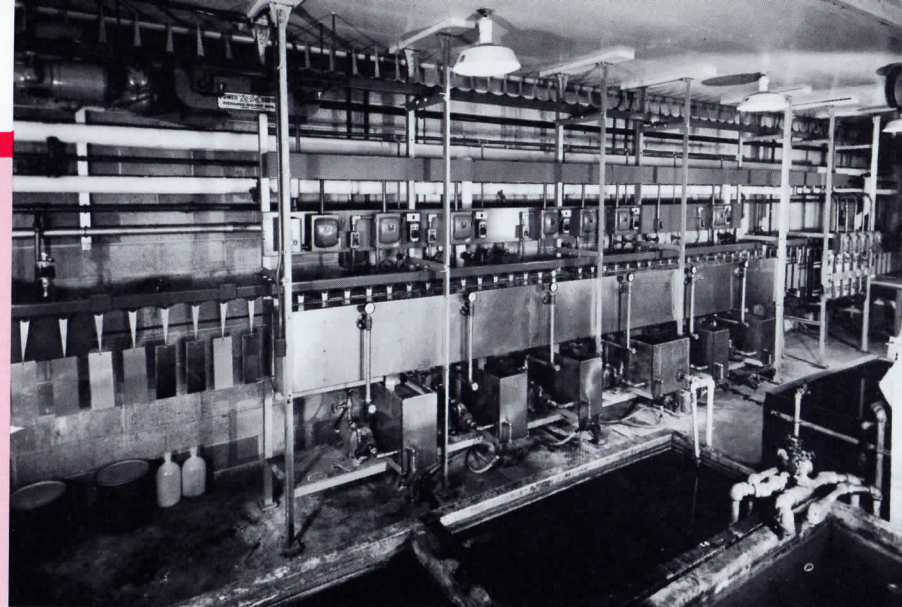
The entire membership of the NEWCC is composed of personnel from State experiment stations, colleges and universities, the U. S. Department of Agriculture, those engaged in agriculture and agricultural chemicals, highway construction, utilities and others with rights-of-way weed control problems in the New England and Middle Atlantic States.



Roy Johnson, ACD Research, shows proper technique for using chemical injector. A strong thrust of the injector penetrates the bark to the vital cambial region. At this point the lever at the upper end of the injector is tripped and chemical released into cut.

*Trinoxol and Dinoxol are registered trademarks of Amchem Products, Inc.

Amchem's "Panelists" Have the Answers



The new six-stage all stainless steel panel coating machine in operation at the Pilot Plant.

Quite recently more than the usual amount of activity has been going on in our Pilot Plant. It centered around the installation of a new six-stage, all stainless steel panel coating apparatus which has been operating for the last couple of months along the left wall.

Harry Croll, who is to the Pilot Plant what Neil Johnston is to the Warriors, supplied us with a few interesting facts about the machine and its function.

There are six spray compartments in sequence, each equipped with spray nozzles, a set of electric control switches, a temperature gauge, a pressure gauge, a chemical or water tank reservoir with an attached motor. Each of these components can be easily identified in the accompanying photograph. At the left in the photograph, the panels, which look like king-sized spatulas or plasterers' trowels with

handles at the end, hang at six-inch intervals in suspension from a conveyor which carries them through the six stainless steel compartments where they are chemically sprayed and washed alternately.

The speed of the conveyor can be regulated from approximately six inches per minute to four feet in the same period of time. The rate is regulated to suit the requirements of the job.

Prior to passing through the five electric radiant heat drying units, at right in the photograph, there are two small air blowers that blow off any excess liquid that might remain on the panels. Each heat unit can be turned on or off individually since the amount of heat required varies according to the specific metal coating being applied and the speed that the conveyor is moving. Five of the reservoir tanks have a 15-gallon capacity; one (Tank

No. 4) holds 30 gallons. This size differential is also evident in the photograph.

The electric motors, which are also visible in the photograph, supply the power to keep the various chemicals or water circulating through the system.

In addition to coating panels for our own Research and Development Departments, the machine is used to coat panels on a commercial basis for outside firms. A recent order calling for 6,000 treated panels was the largest single order received so far. Panels are hand-wrapped for shipment in waterproof paper, 50 to a package, with a sheet of "onionskin" paper between each panel.

We have been told that the machine owes its existence largely to the inventiveness of President Romig and Plant Manager Graham Smith.

MCD Meeting

Those attending the MCD Managers' Meeting in January take a "look at the birdie" during a coffee break at one of their sessions. Seated l. to r. are Chuck Wirshing, Ellis Stockbower, George Williamson, Jack Price, Gerald Romig, F. P. Spruance, Jr., J. O. J. Shellenberger, Jim Abrams and Al Sinclair. Standing l. to r. are Jack Breen, Hugh Gehman, Dick Reeves, Greg Gibson, Don Miles, F. P. Spruance, Sr., Dick Bailey and Bob Fabian. Inset: Warren Weston answering telephone.



the AMCHEM News



TOM CROWLEY

Tom Crowley Addresses Textile Technical Group

Tom Crowley, Amchem's very personable sales representative for wool scouring products, had the honor of addressing the Belton-Rocky River Textile Technical Advance Society, a group composed of the technical experts of Bigelow-Sanford Carpet Company, in Ivy, S. C.

Tom gave an extremely interesting and detailed account of the various techniques and processes employed in wool scouring, devoting considerable time to its many aspects as related to the carpet industry. He stated that up to now most of his work has been involved with the emulsion system, using either a soap-alkali detergent system or straight synthetic detergent. The latter was originated and developed by Amchem. It is the method by which nearly all the wool processed in this country is scoured at the present time.

Tom covered practically every phase of wool scouring. He touched on the diverse type of foreign matter that is found in raw wool, dividing it into two classifications: (1) "applied" impurities such as paint, tar, etc., used for identification, and insecticides and dips used for protection; (2) the "natural" impurities which include wool grease, suint (dried perspiration) salts, dirt, vegetable matter, etc., explaining that the efficiency of the removal of the latter impurities in scouring ranges from 90 to 99%. He gave additional after-scouring efficiency percentages for the various kinds of wool in respect to their place of origin.

He closed his talk by remarking that wool scouring is not the crude operation that it may appear to be on the surface. If a system is to be run efficiently and react to the definite chemical differences characteristic from lot to lot, it requires a close supervision of the individual baths and the frequent testing of the final product. In this way, the operators may react to quality fluctuations so that the maximum uniformity may be achieved at the minimum cost in chemical and raw material consumption. This is not only a requisite for an efficient scouring plant but for optimum carding, spinning and dyeing of the stock; also in the case of carpet for the consumer, it should result in attractive appearance and non-soiling characteristics.

Tom has been with Amchem for over 15 years (*Amchem News*, Sept. 1959) and is an acknowledged authority on the subject of wool scouring. He left Forstmann Woolen Company, Passaic, N. J., to join Amchem in 1944.

Tom is most enthusiastic about Amchem's new Ridosol® neutral scouring process which makes possible the economical production of scoured wool vastly superior in quality to that obtained by conventional methods. This process uses precision electronic instruments to control the variables in the solutions resulting in best quality results at minimum cost.

®Ridosol is a registered trademark of Amchem Products, Inc.

Holy Mackerel!

LEW SCOTT LETS 'EM
GET AWAY DELIBERATELY—
Fish—Not Customers!

On one of those mean days back in January when everyone around Ambler was complaining about the weather, a letter arrived from Lew Scott, our esteemed MCD sales representative in Florida. Lew lives in Fort Myers on the West Coast up the Caloosahatchee River a bit from the Gulf of Mexico, where many a hopeful baseball rookie's dreams of stardom were either shattered or realized, for Fort Myers on occasion has played host to our former local entry in the big leagues. But Lew never did have pro-diamond ambitions. Aside from business reasons, he picked Fort Myers because he was interested in another and more sedentary sport—fishing. The scene of his piscatory activities, which he describes in his letter, is three or four miles offshore in the Gulf Stream.

Without any further preamble, let's get on with the interesting part of the letter Lew wrote to Mr. Cherksey:

"In the first five minutes I caught a 22-pound kingfish. In the next five—after landing the king—I caught a 62-inch barracuda, estimated weight around 40 pounds. We caught grouper up to 30 pounds and snapper up to 25. All this on three different days in a total of not over ten hours of fishing. I ALONE caught nearly 500 pounds of fish. My greatest trouble was in turning them loose without hurting them—or me.

"The best sport is in using light tackle and catching them down in deep water. The water is clear as a crystal and you can see all sorts of fish down there. You can actually SEE possibly a ton of fish at one time. Instead of catching the larger fish, which are just a lot of hard work, I rather prefer taking the smaller ones—up to 20 to 40 pounds and to get them on light tackle and let them run. I lost a lot of hooks but they get rid of them quite easily.

"You never mentioned whether you are coming this way this year but if you do I do hope to be able to get a chance to see you. Of course, I realize you don't care about fishing but maybe some of your friends might and if they can stay away for several days at a time, they could get in a trip they will remember forever. It's simply TOPS."

Sincerely yours,

Lew Scott



MILLIONS VIEW

TV PLAY

By

MRS. REEVES

Early last Winter if any of our Amchem viewers had the good fortune to watch the United States Steel Hour's presentation, "Big Doc's Girl," they would have witnessed the autobiography of the wife of Dr. Richard F. Reeves, Director of MCD Research.

Not only was your editor unaware of the identity of the author of the teleplay, but the idiosyncrasies of a temperamental TV set deprived him of even viewing it. Therefore he has to depend mostly on the local newspaper's account of the story behind the story.

The play was a dramatization of a book which Mrs. Reeves, the former Mary Medearis, wrote several years ago. This book developed from a short story, "Death of a Country Doctor," which she had written as a class assignment when a student at Columbia University.

The story made such an impression on her teacher that it was chosen as Columbia's entry in a magazine contest. It won first prize over 422 other entries.

Its fame was not short lived—the story has appeared in four anthologies, one of which is "Best Short Stories of 1942" by Martha Foley.

Whit Burnett, the editor who sponsored the contest, suggested that the story be enlarged into a book.

A year later, Mary Reeves took his advice and turned out a book which became a best-seller. Published by Lippincott, the story was purchased by Redbook for the highest fee which had ever been offered by this magazine for a book at that time.

It was then condensed by *Reader's Digest* and dramatized on the *Reader's Digest* radio program "This is My Best."

In 1948 the government bought the book and translated it into German to introduce the German people to the way in which the back country inhabitants of Arkansas lived. The book has since been translated into four languages.

A teen-age edition was later published and today "Big Doc's Girl" is on the required reading list in almost every school in the United States. It is also listed under "Folklore of Arkansas" in the Encyclopedia Britannica.

Mrs. Reeves was reared in the wilds of Arkansas. The daughter of a country doctor, she had a great enthusiasm for teaching. She came to New York where she won a scholarship to the Juilliard School of Music and while here she met her future husband who was then a student at New York University.

In the Lower Gwynedd area, Mrs. Reeves has been instrumental in introducing a relatively new theory in teaching the piano. Her group lessons with children have been very successful at the Spring House School and this year she has a full-time schedule teaching students at the Academy of the Sisters of Mercy, Gwynedd.

Mrs. Reeves teaches everything from "boogie to Bach" and has found that the children respond enthusiastically to learning music in a group.

Mrs. Reeves hopes to record her teaching beliefs in another book in a few years.

Dr. and Mrs. Reeves reside on North Surrey Drive, Gwynedd Valley, and are the parents of two boys and two girls.

John Geyer in the Headlines Again

"Geyer Elected Northampton Board Chairman." This banner headline stretched across eight columns of the "Bristol Courier and Levittown Times," January 8 edition. Accompanied by a couple of paragraphs of text, it informed us that Geyer, who is Amchem's new Technical Assistant to President Romig (see Page 12, Dec. '59, *Amchem News*), was elected chairman of the Board of Supervisors of Northampton

Township, Bucks County. John, a resident of Richboro, was elected to the Board of Supervisors in the Fall of '58 in his first try at politics. His election is indicative of the confidence his Northampton constituents have in him, since the post carries considerably heavy civic responsibilities in one of the more progressive districts in Delaware Valley.



JOHN H. GEYER

Sterry European Technical Supervisor— Bridge Is Named His Replacement

John Sterry, for the past three-and-a-half years a member of our International Division's globe-circling set has been given a new assignment. He is now Amchem's first permanent technical service supervisor in Europe, having moved with his family to Zurich, Switzerland, early last month.



JOHN R. STERRY KENNETH BRIDGE

Sterry's new post was brought about by the growth of Amchem's agricultural chemicals business in Europe, where our Company has 37 licensees and representatives.

John's extensive knowledge of the application of Amchem's agricultural chemicals under varying climatic conditions and in greatly different areas, fits him ideally for his new job.

While this is a new position for Sterry, the work which he will do is similar to what he has been engaged in on a world-wide basis since joining Amchem in 1956. His duties will be largely in the area of on-the-spot agricultural chemicals research and development where he will be consulting

and cooperating with independent researchers as well as with Amchem's European associates.

Sterry came directly to Amchem from Ghana, Africa, where he was a Colonial Agricultural Officer for the British Government, a position he assumed in 1954 immediately after graduating from the University of Aberdeen, Scotland, with a B.S. degree in agriculture.

Sterry was born in London, England, and spent six years in the RAF as a flight lieutenant from 1944 to 1950. Accompanied by his wife Mona and the couple's five-year-old son, Findlay, he left for his new assignment February 2. While in the U. S., the Sterrys lived in nearby West Point.

Sterry's former position at Amchem has been filled by Kenneth Bridge, who, like Sterry, was born in England. Ken attended the Harper-Adams Agricultural College after having served in the British Royal Marine Commandos in the Far East during World War II.

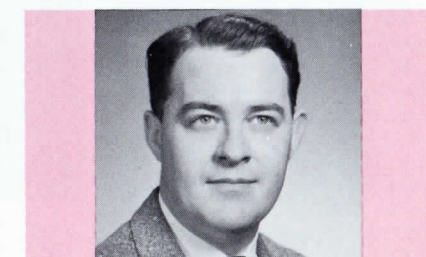
Following his graduation from Harper in 1949, where he earned his B.S. degree, he became an Agricultural Advisory Officer for Imperial Chemical Industries in this company's Malay area. In this capacity he not only did research and development work in new chemicals with regard to plantation application but he also acted as an advisor to plantation owners.

Ken joined Amchem last September. He makes his home in Buckingham, Bucks County, with his wife Joan and daughter Sally Ann, age 4½.

Dr. George C. Harrison, Jr. Joins MCD Research

Just recently Amchem's metalworking chemicals research staff was strengthened by the addition of Dr. George C. Harrison, Jr. Dr. Harrison joined Amchem at the first of the year after resigning from Pennsalt Chemicals Corporation, Whitmarsh Research Laboratories, where he was engaged in the study of complex organic and inorganic compounds. At Amchem he is specializing in protective coatings for steel.

Dr. Harrison was born in Pittsburgh and is a product of that city's public schools. He graduated from the University of Pittsburgh with a B.S. in



DR. GEORGE C. HARRISON, JR.

chemistry in 1951. Upon graduation he worked for a time in Westinghouse, Pittsburgh, as a chemical analyst of metal alloys and later the same year he did applied research on the by-products of coke at the Mellon Institute, also in his native city. He resigned the latter position to do graduate work for his doctorate which was conferred on him by his alma mater (in absentia) while attending the U. S. Navy O.C.S. at Newport, R. I., in 1956.

On being commissioned an ensign, he was immediately assigned to the aircraft carrier Kearsarge.

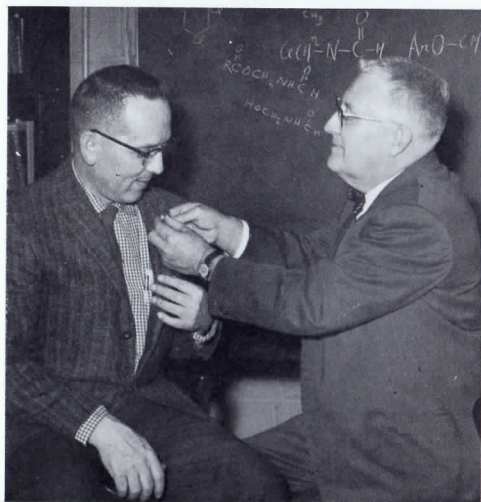
In 1958 he was transferred to the Office of Naval Intelligence and was released from active duty in March, 1959, with the rank of lieutenant junior grade.

Dr. Harrison is a member of the American Chemical Society and Phi Lambda Upsilon and Sigma Xi honorary societies.

Since woodworking and horticulture are Dr. Harrison's off-hours favorite pastimes, we suspect that he will soon vacate the apartment at Lynnewood Gardens, which he shares with his wife Mary and son Robert, age 2, in favor of a country home with some ground around it.



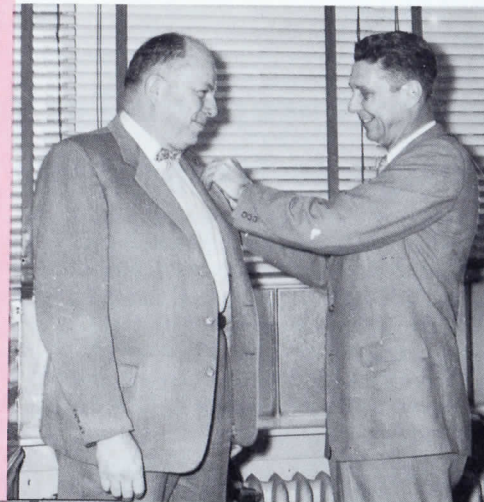
The first investment Dan Chisholm made after moving to Ambler was in sleds for his youngsters. Having resided in Jackson, Mississippi, until last Fall, the young Chisholms had never seen snow before this winter. Reading from left to right: Val 7, Mike 6, Nita 10 and Terry 3. All four children seem to be enjoying their initial sled rides. Dad is Manager of Farm Chemical Sales.



Congratulations!

These Are the Men and Women of AMCHEM Who Have Received Service Award Emblems Since the Last Issue of THE AMCHEM NEWS:

- ★ 25 YEARS ★
Norman Howard
- ★ 20 YEARS ★
Donald E. Small
- ★ 15 YEARS ★
Alonzo L. Sinclair
- ★ 10 YEARS ★
Frances Adamac
Charles J. Olivieri
Jaroslaw Sweryda
- ★ 5 YEARS ★
John D. Breen
Peggy J. Hendricks
Kenneth C. Kramer



"I've done this standing up for your 5th, 10th and 15th. This one I'm doing sitting down," says Bill Allen (r) as he places 20-year award in Don Small's lapel.

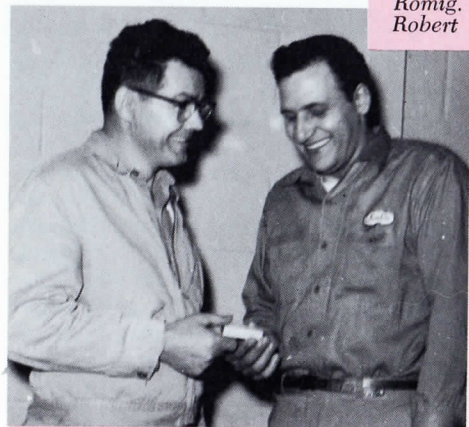
Charlie Olivieri (r) is the happy recipient of a ten-year service award in the form of a ruby tie clasp presented to him by an equally happy Adolf Karcher.



A solid gold watch, as well as the usual 25-year diamond service award, is presented to Norman Howard by President Romig. Others at the presentation are (l to r): Graham Smith, Robert Breining, Adolf Karcher, and Richard Rockstroh.

"This is just a 'dry run' in preparation for your 20th and 25th," says Sunny Spruance (l) to Al Sinclair as he congratulates Al on his 15 years with Amchem.

Jaroslaw Sweryda's ten-year ruby service award pin has already found its way to his coat lapel before the formal greeting by Dutch (hat and all) Harmon.



Treasurer Naylor informs us that a ruby bracelet was the choice of Frances Adamac on reaching ten years with Amchem.



Amchem Dart Team Cops League Crown

It was nip and tuck all the way down to the wire in the five-team North Penn Dart League with Amchem squeezing through and winning the championship on March 2.

Amchem, then in second place, needed one game to tie and two to win the title. The team came through like real champs by taking all three games in their last meeting with Willow Grove Fire Company. In the final standing, Amchem finished with 29 wins against 19 losses for

an excellent .604 in one of the best dart circuits in the area.

Sterling performances were turned in by Nick Boychuck, Joe Rocco, Tony Bruno, Mickey Krisan, Johnny Zollo, Ralph Lelii, Dick Shellington and Emil Stoyanov, all of whom batted over 400. Boychuck posted a terrific 496 average and was closely followed by Rocco and Bruno. In RBI's Seiz drove in 78 runs and right behind him came Lelii with 73 and Zollo

with 70. The team total was 436 runs.

In addition to those already mentioned, Charlie Olivieri broke into the line-up occasionally and pushed over a useful 21 runs. Even Frank Cahill put in an appearance and got a time at bat. The accuracy of the entire team can best be appreciated by the low 96 nickels off the board for the entire season.

League play began the first week in October and ended on March 2.

SAFETY REPORT

To End of December, 1959

Safety records of departments for the 12 months ending on December 31, 1959 are listed below in the order of merit.

1. Packaging
2. Shipping
3. Maintenance
4. MCD Production
5. Construction
6. Receiving
7. Research
8. ACD Production

Percentage of improvement based on the performance from January 1, 1959, to December 31, 1959, as compared with standing on December 31, 1958.

1. Shipping
2. Packaging
3. Maintenance
4. Research
5. Receiving
6. ACD Production
7. Construction
8. MCD Production



Safety AWARDS TO Packaging AND Shipping

A look at the standing of the various departments in the Safety Report for the year 1959 shows a big shuffle when compared with the line-up at the end of 1958. Top honors this year were taken by Packaging for the Best Frequency Rate with a neat .090 performance, jumping from third place in 1958.

Shipping finished in second place with a .136 rating, and thus showed the best percentage of improvement, having pulled up from seventh place at the end of 1958.

For the entire year there were only three lost-time accidents in a total of 237,434 hours worked.

A wide assortment of merchandise prizes—including cutlery, indoor and outdoor thermometers, insulated

tumbler sets, etc.—were awarded to the winners. The following were represented from Packaging: Department Supervisor John Horn, Douglas Blosser, Leon Bolig, Anna May Brown, Grace Brown, Mildred Brown, Donato Calvano, Franny Cram, Margaret Gagliani, Joseph Gantz, Esther Hopwood, Walter Krogh, Antoinette McBreen, Louis Serratore, Thomas Tedesco.

From Shipping: Department Supervisor Jimmy Roberto, Gabe Mancini, Ed Piescuik, Earl Seiz, George Antonacio, Nicholas Boychuck, David Dean, Joseph Lysinger, George McKinley, Francis Pulli, William Snyder, Emil Stoyanov, Norman Urban and Ralph Wood.

Amchem Display at U. S. Pat. Office

AT the invitation of the U. S. Department of Commerce, Amchem participated in the Chemicals and Synthetics Program which was held at the U. S. Patent Office, Washington, D. C., February 15 through March 11.

Amchem feels it earned this reward through its acquisition of approximately 1200 patents in 57 different countries. In addition, our Company has 350 applications on file. In all, only 15 companies from all over the nation were invited to erect displays. Some of the other firms having exhibits, in addition to Amchem, included Du Pont, National Lead and Commercial Solvents.

Being invited to participate in such a program is an indication of the esteem with which our Company is recognized by this important branch of our Government.



Three of Amchem's better known personnel are easily recognizable in this picture taken in front of Amchem's Display on opening day, February 15, of the Chemicals and Synthetics Exhibit at U. S. Patent Office, Washington, D. C. Left to right: J. O. J. Shellenberger, V. P. and Director of Marketing; The Honorable Philip A. Ray, U. S. Under Secretary of Commerce; A. D. Caesar, Patent Attorney for Amchem; The Honorable Arthur W. Crocker, U. S. First Assistant Commissioner of Patents; Robert W. Gannon, Patent Department Chief; and Alfred Douty, Technical Director. (The Amchem Display can now be seen until April 10 at the Franklin Institute, Philadelphia.)

Introducing New Members of the Amchem Stork Club

RICHARD LEIGH BESSE
... November 12, 1959
The Proud Amchem Parent: Samuel M. Besse (ACD Sales)

LORETTA MARIE RAMAN
... November 25, 1959
The Proud Amchem Parent: Harvey Peter J. Raman (ACD Laboratory)

ELIZABETH ANN VOGL
... December 3, 1959
The Proud Amchem Parent: Thomas H. Vogl (MCD Sales, Cent. Dist.)

DOUGLAS ADDISON DORSAY
... January 11, 1960
The Proud Amchem Parent: Lionel A. Dorsay (Int. Div., Adm. Asst.)

ERIC LANCE HOPKINS
... January 12, 1960
The Proud Amchem Parent: William L. Hopkins (ACD Sales, West. Dist.)

KEVIN JOSEPH ALBA
... February 8, 1960
The Proud Amchem Parent: Joseph V. Alba (ACD Production)

LYNN MARTHA ROCKSTROH
... February 24, 1960
The Proud Amchem Parent: Richard K. Rockstroh (Asst. Plant Mgr.)

WILLIAM PUSEY WARNER
... February 26, 1960
The Proud Amchem Parent: W. Wayne Warner (MCD Sales, E. Dist.)

Welcome to our new employees

| NAME | HOME TOWN | ASSIGNED TO |
|-----------------------------|-------------------|------------------------------|
| GEORGE F. BLATTNER, JR. | Norristown, Pa. | Maintenance Dept. |
| DAVID J. BOCCHINO | Ambler, Pa. | ACD Production Dept. |
| JANE A. BOYD | Conshohocken, Pa. | ACD Packaging Dept. |
| CAROL L. BRANDENBURG | Hayward, Calif. | Niles Office |
| KENNETH BROWN | Tracey, Calif. | Niles Plant |
| ROBERT B. COLEMAN | Philadelphia, Pa. | ACD Packaging Dept. |
| ANTHONY F. DELLA DONNA | Ambler, Pa. | Shipping Dept. |
| CARMELLA J. DELLA DONNA | Ambler, Pa. | ACD Research Office |
| JAMES E. ESPOSITO | Hazleton, Pa. | ACD Laboratory |
| DONNA LEE FRIEND | St. Joseph, Mo. | St. Joseph Office |
| FRANK GIAMPA, JR. | Ambler, Pa. | ACD Packaging Dept. |
| DR. GEORGE C. HARRISON, JR. | Elkins Park, Pa. | MCD Research |
| DAWN-MARIE HOFMANN | Ambler, Pa. | Inventory Dept. |
| JAMES F. KNIGHT, JR. | Kingwood, W. Va. | Adhesives Research |
| ANDREW F. MAYERSKY | Lansdale, Pa. | ACD Packaging Dept. |
| WILLIAM J. METZ | N. Wales, Pa. | ACD Production Dept. |
| ALICIA L. MILLER | Wathena, Kans. | St. Joseph Office |
| THERESA E. O'NEILL | Hayward, Calif. | Niles Office |
| ORBY E. ROACH, JR. | St. Joseph, Mo. | St. Joseph Plant |
| LEONARD P. STROUP | St. Joseph, Mo. | St. Joseph Plant |
| EARL W. TAYLOR | St. Joseph, Mo. | St. Joseph Plant |
| WILLIAM D. WATKINS | Niles, Calif. | Niles Plant |
| MERRILL J. WHITE | Stockton, Calif. | ACD Sales (Western District) |
| MARGARET L. WILMES | St. Joseph, Mo. | St. Joseph Office |

Along the Party Line

GOT ROCKS DEPARTMENT: Heap big diamonds are being proudly displayed by JOANNE DAVIS (Acctg.), CYNTHIA GEHRET (ACD Adv.), and JEAN MONACO (Acctg.). Joanne's light-in-her-life is Bob Cappuccio, Ambler; Cynthia's future man-about-the-house is Hal Burke, Perryville, Md.; Jean's partner-to-be is a local lad named Frank Giampa. Weddings are scheduled for a little later this year.

Rice-and-Old-Shoe Department: KEN CLAPP (ACD Chemist) abandoned bachelorhood for a life partnership with Roberta Hilyard of Bellefonte, Del., shortly before Christmas. Ceremony took place in St. Mark's Episcopal Church, Perryville, Md. The couple is residing at 131 E. Butler Ave., Ambler.

Adieus with Regrets: EDITH WETHERILL (Int'l Div.) left Jan. 29, after three years, to keep a date with the stork, March 1. A combination going-away-and-baby shower was given her by the entire International Division while the following lady co-workers honored her with a luncheon, Jan. 26: PAULINE KOCH, CELIA LaMASTRA, CATHY LaPENNA, THERESA MULLIN, MARLENE NAGEL, EDITH ROTHSCHILD, JEAN ROWAN, MARIAN SERGIO, SANDY SERRAO, and EDITH SZABO.

LYNDA BUTTON (ACD Res.) bid goodbye to her Amchem associates Jan. 22 to prepare for her wedding to Harry

Heist the following week. On Jan. 12, JEAN ROBINSON (ACD Res.) held a shower at her home for Lynda which was attended by ANNA MARIE BALDWIN, OLGA CAHILL, MARY LOU CARNEY, DOT DiLAURO, MARIE GIBBONI, NANCY GOURLEY, EDITH HABLETT, LILLIAN LEITERMAN, DOLORES MARRANO, MARIE MASCOLA, HERTA NAGEL, ANN NOLAN, CAROL TAVERNO, and HARRIET TYSON. Lynda's take was terrific—everything from ash trays to an electric heating pad. Ah, those generous Amchem gals!

JOHN STERRY was also honored by the International Division at a luncheon Jan. 27, prior to his departure for Switzerland.

Arthur! Catherine! Get off the floor! Ditto, Marge and Gower Champion! BOB and CONNIE GODORECCI as well as JOANNE DAVIS and fiancé Bob Cappuccio are burning the boards to the tempo of Latin-American music at the Tuesday evening dancing classes at the Shady Grove Junior High.

Rays of Sunshine: Just as we go to press the good word has reached us that our esteemed assistant director of purchasing, WAYNE WILSON, has returned home from Abington Hospital and is rapidly on the mend after surgery. We hope by the

time this issue of the News reaches our readers that Wayne will be back doing his usual two-a-day trips to his home in Prospectville.

Congratulations to GEORGE ANTONACIO (Shipping) and the Missus on their 28th Wedding Anniversary, celebrated Jan. 23. Their offspring didn't forget the occasion either—they took mother and dad to Flannery's, Langhorne, for a big spread. Good kids!

Best wishes also to WALT (Acctg.) and MARY MacLAUGHLIN on their 16 years of wedded bliss, which they celebrated Christmas day.

And again EDNA GAUSS was among the lucky mid-winter Florida vacationers. Her family at Ft. Lauderdale had the pleasure of her company for two weeks in January. Celebrated son Raymond's 15th birthday with them.

That's not a pack of king-size filter tips that JEAN SCHMIDS periodically takes out of her pocketbook; it's a Wren-Transistor radio won in a raffle.

From across the Canadian border comes the news (and photo to prove) that FRANCES ADAMAC (Windsor Office Mgr.) had the chicken pox. It didn't prevent her daily appearance at the Plant.