CHEMICALS ACP PROCESSES

the ACP News

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AMERICAN CHEMICAL PAINT COMPANY

Vol. 3, No. 3 NOVEMBER 1955

VICTORY BANQUET
For National Division Softball Champions 1955

Members of the 1955 first-place (National Division) ACP Softball Team were feted this Fall at a Victory Banquet by company officials. Guests included (beginning at top left and reading clockwise): Joe Mancini, Wallace MacKinstry, Emanuel Wood, David Dean, Leon Cherksey, Len Cooper, Frank Wilson, Nicholas Boychuck, Charles Olivieri, Gerald Romig, Joe Blessing, Graham Smith, George McKinley, Leonard Carter, and John Thompson.

the ACP News

Vol. 3, No. 3 Nov. 1955

Published by the American Chemical Paint Co. Ambler, Pennsylvania in the Interest of ACP Employees and Their Families

Reporters

Barbara H. Emerson.....*ACD Research*
Dorothy DiLauro.....*ACD Sales*
Andy Ducsik.....*Ambler Plant*
Nellie Niblock...*Gen. Accounting Office*
Chris Anderson.....*International Div.*
Charles Morris.....*Maintenance*
Nelson Newhard.*Metal Working Research*
Anne Lucas.....*Metal Working Sales*
Toni McBreen.....*Packaging*
Harry Croll.....*Pilot Plant*
Blanche VanBuren.....*Detroit Territory*
Frances Adamac.....*Windsor*
Marie Ackerman.....*Niles*

Norman P. Gentieu
Editor

THE BEAKER

To paraphrase an old proverb first mined in *Variety*, "There's no business like the chemical business."Our own company is certainly no exception. If chemistry is our business, and service to industry and agriculture our theme, then diversity is our strength. Off-hand I can think of dozens of different industries that ACP is serving to the advantage of all concerned. To mention a few: automotive – "Granodine" protects the paint finish of many many cars and trucks produced by General Motors, Ford, Chrysler; petroleum—a whole new series of "Rodine" inhibitors is boosting the production of oil and saving the oil industry thousands of dollars annually; agriculture all over the world—"Weedone" has become a familiar name to farmers here and abroad, all constantly threatened with fast-growing weeds, and many other products of the Agricultural Chemicals Division have made farming, gardening and lawn care more effective, more productive, and much easier; aircraft—a substantial proportion of Navy and Air Force military aircraft are utilizing "Alodine" to protect aluminum surface areas from destructive corrosion and to bond the paint finish tightly and durably. The new "wonder" metal titanium also needs a protective coating to protect its surface under certain stress conditions and ACP has developed the first successful chemical for this purpose. There are others, many of them pioneers in their field. You will read about them in future numbers of our paper.

In this issue of "The ACP News" two of our products—the new doom for rats, "Ratafin," and the new "Rodine" inhibitors for the petroleum industry—appear on pages 4 and 9 respectively. These descriptions are by no means complete but they will serve to introduce to many of our employees and friends the kind of productive work the ACP team is doing. To paraphrase the paraphrase we started with—"There's no chemical business like ACP chemical business."

SERVICE AWARDS

The ACP News congratulates the following employees who have received Service Pin Awards:

20-YEAR PIN: Joseph Blessing.

15-YEAR PINS: Robert H. Beatty, Richard Bailey, Eugene Snyder.

10-YEAR PINS: George Antonacio, Sr., William Allen, William Coleman, Clarence C. Wood, Anthony Bruno, R. W. Gannon, David McInnes, George Brumbaugh, Donald Miles.

5-YEAR PINS: Lena E. Raspone, Jack Price, Rudolph Grun, Leonard Carter, Paul Dresher, Joseph Feckno.

In the Red

At a Communist meeting, one of the attending comrades suddenly stood up during the debate and addressed the chairman.

"Comrade Speaker," he said "there's just one thing I want to know: what happens to my unemployment compensation checks when we overthrow the Government?"

Vital Statistics

NAME	DATE OF BIRTH
Errico Charles Olivieri	August 23, 1955
Kathryn Jean Walsh	September 2, 1955
Janet Marie Piesciuk	September 5, 1955
Leonard Mallozzi	September 20, 1955
George Chiriano	September 26, 1955
Mary Barbara Meech	September 30, 1955

ACROSS THE PRESIDENT'S DESK

NEW COMPANY OFFICERS

Some very important changes have been recently made, involving two of our Vice-Presidents. Our Company is older now, and by the same token, so are some of our people. However, the changes we are making are not due solely to the passage of time. We are interested in progress—by the Company and by its employees. With this thought in mind, Mr. F. P. Spruance, Sr., Vice-President since 1933 and Sales Manager for 34 years, has resigned those positions. As of September 12, 1955, Mr. F. P. Spruance, Jr. has taken over the titles and duties involved. Mr. Spruance, Sr. continues as a Director of the Company, a member of the Operations Policy Committee and will be available in an advisory capacity. At the same time, Mr. John Shellenberger, whose job has been Vice-President in Charge of the International Division, was also named Director of Marketing of the Company and his duties now have to do with the sales and marketing of all our products, everywhere. He carries into this new position an experience of 20 years, covering the fields of metal working and agricultural chemical products, both at home and abroad.

I have every reason to believe our progress will continue and that our policy will be to keep making changes toward that end.

Leon Cherksey

F. P. Spruance, Sr.

OTHER ORGANIZATIONAL CHANGES

Metalworking Division: Don Ellis, Technical Standards Department; John Rossi, Process Engineer; Hugh Gehman, Assistant to John Geyer, Research and Development.

Agricultural Chemicals Division: Frances Boland, Foreman, Agricultural Manufacturing Department.

Plant: Robert Breininger, Production Supervisor.

BRUMBAUGH SPEAKS AT AES MEETING

George Brumbaugh, Technical Standards Division, was the speaker for the evening on Monday, October 17, 1955, at the October Meeting of the Rochester Branch of the American Electroplaters Society. George's topic was, "The Phosphate Coating of Metal Surfaces to Improve Paint Adhesion." Both platers and organic metal finishers found the talk of great interest.

After George's prepared speech, there was a question and answer period in which special metal treating and pre-painting problems were discussed.

PATTERSON GIVES PAPER BEFORE NACE

H. E. (Ed) Patterson, Technical Field Representative for Metalworking in Texas, recently presented a survey paper on the cleaning and finishing of metals before the National Association of Corrosion Engineers in Houston.

September 8, 1955

To Mr. Leon Cherksey, President, and
To the Board of Directors of
The American Chemical Paint Company

Greetings,

In March of 1956 I will have served ACP thirty-five years and will be, within a month, 69 years of age.

These thirty-five years have been the best, the most productive and the most enjoyable years of my life. I have seen ACP grow from a small company with but one product to a large, financially sound one with many products and more to come.

In these years, ACP has not only matured into a strong company with a most enviable reputation for the soundness of its research in the metal preservation and agricultural fields but it has enjoyed one of the finest relationships between management and organization I have ever seen.

Those of us who started years ago at the proverbial bottom of the ladder have become the present management. I hope it will always be thus. To prove that I sincerely believe in this, I have decided to create a vacancy near the top to enable the fine junior executives to move toward it.

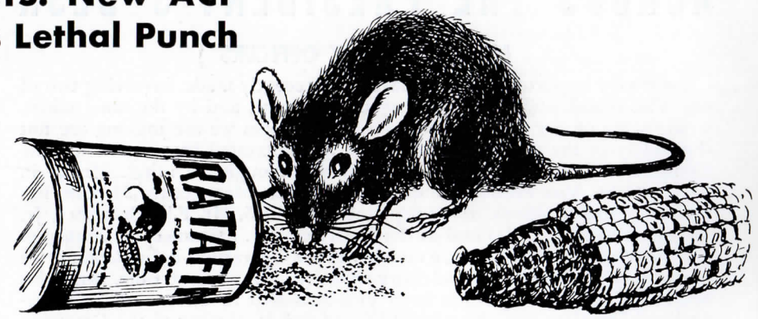
I wish to resign as Vice President, to continue to serve as a Director and, in order to make my years of experience available to ACP, to serve on whatever committees may be established, to help accomplish this purpose.

I am confident the past policy of careful research, well made products, sound technical assistance in using them and the friendly relationships established with customers and company personnel alike, will lead to an even broader and brighter future for ACP.

Very truly yours,
F. P. SPRUANCE, Sr.

FPS:AL

WAR WITH THE RATS: New ACP Rodenticide Packs Lethal Punch



ACP has hit the jackpot again! This time it's a jackpot full of rats—happy rats, high-calorie-diet rats, rats drooling at the mouth for another meal of "Ratafin," the most effective answer yet to the better mousetrap problem. This new rat killer contains Fumarin, a chemical of the blood-thinning type. It has completely outwitted and brought death to rats throughout the United States and abroad. It has undergone spectacularly successful tests by the U.S. Fish and Wildlife Service and has the stamp of approval of the U.S. Department of Agriculture.

Ratafin's importance cannot be over-estimated. From the earliest times man has waged a ceaseless and largely ineffectual war against rodents. They are exceedingly crafty animals and have caused immeasurable economic losses and serious epidemic diseases. At least a dozen dangerous plagues can be traced to rats' ectoparasites; an average rat is said to eat or destroy property worth $20 annually, and U.S. rat population is estimated at 150-million!

Control measures have progressed from the use of "concoctions" such as ground glass and plaster of paris to a variety of deadly poisons—strychnine, arsenic, phosphorus, fluorine compounds, etc. Even the rat-catching artist with a mallet has had his fling. These techniques, somewhat similar to those used in the liquidation of one Rasputin, all had a common defect—they didn't work. The sad fact remains that wherever food is found, so are rats and their parasites, all with good healthy appetites.

Centuries of failure have given us an idea of what kind of material we needed. An efficient rodenticide would be a poison, at the same time fatal to rats and mice but harmless to man or domesticated animals . . . a poison which would outwit rats, not arouse their instinctive suspicion, e.g., be tasteless, without early or acute symptoms, and slow-acting.

"Ratafin," an anti-coagulant rodenticide, fits this pattern exactly.

Odorless, tasteless and killing without violent physical reaction. Ratafin is not linked by the rats to the plague that suddenly strikes their colonies. They return again and again to the poison and to gradual suicide over a period of from five days to two weeks. In field experiments sick rats, greedy to the end, were even observed crawling over dead rats to get back to cereal poisoned with Fumarin-containing Ratafin.

As deadly as it is to rodents, Ratafin is not dangerous to human beings or animals, because single doses are not fatal and cereal formulations discourage accidental poisoning of children or domestic animals. In 4 years of testing, secondary poisoning of farm animals and pets has not been detected.

Ratafin is said to be the most economical rat-killer yet offered the farmer. Rats are being killed with it now for a few pennies apiece. ACP is doing everything possible to produce Ratafin for the farmer and others on the most economical basis.

Not even the smart, expendable official "taster" of the rat colony, whose role seems to be to try out suspicious looking food ahead of the others, gets hep to Ratafin. It looks like a bright future for everybody but the rats! The only thing they have to look forward to is the final Ratafin-ish.

SAFETY REPORT

Safety records of departments at the end of August, 1955 listed in order of merit	Best percentage of improvement since December 31, 1954
1. Packaging	1. A. C. P.
2. A. C. P.	2. A. C. D.
3. Construction	3. Packaging
4. Receiving	4. Construction
5. Maintenance	5. Receiving
6. A. C. D.	6. Maintenance
7. Shipping	7. Shipping

DRIVE CAREFULLY—SAVE A CHILD

There are a number of children who are accustomed to playing in the road on Brookside Avenue between Spring Garden and Hendricks Streets, and on Hendricks Street between Brookside and Mount Pleasant Avenues. There is a tendency for us, on leaving work to travel these roads at a speed that is too great for the children's safety.

Obviously we should always drive carefully but particularly we owe it to our neighbors to take unusual care of their children.

ACP DAY BY DAY

ACCOUNTING

Congratulations! **Marian** and **Charles Jones** for making settlement on your "200 year old" house on the Ridge Pike, Barren Hill. Your fellow employees and other friends are wondering when you are planning to have the house warming (wrecking), Marian?

The annual card party of the Academy of Mercy, Gwynedd, was held on October 21. The following girls, after enjoying dinner together, attended the party which, according to all reports, was a huge success: **Thelma Stroup, Jerry McHenry, Kay Gramm, Neretta Gaiser, Nellie Niblock, Sally O'Connor, Ann Hagendorf, Ann Nolan, Doris McDonald, Jackie Zepp Leach, Betty Anders, Kay Kane, Grace Taverna, Ann Lucas, and Jean Charlton.**

Kay Gramm was recently thrown from a horse she was mounting and had to be taken to the Montgomery Hospital. There she was treated for cuts of the skull and left hand as well as for multiple cuts and bruises. Kay, we are very happy you are able to take the "reins" again at ACP.

Joyce Rowand and **Bill Dunn** motored to Pittsburgh in that newly acquired hard-top, to visit Joyce's father (we know the new son-in-law to-be met with father's approval).

MAINTENANCE

A son, **Leonard**—7 lbs. 3¾ ozs. was born to **Joseph and Rita Mallozzi** on the morning of September 20, 1955 at Abington Hospital. The Mallozzi family is prospering and Joe can now take his place proudly among the other fathers in the shop.

PACKAGING PARADE

Dan Calvano observed his birthday in September, and **Paul Carney** celebrated his on October 20. Another memorable date was September 16, when **Mr. & Mrs. John Nelson** (Receiving) observed their 30th Wedding Anniversary. Congratulations!

Have you seen the 1955 Nash Rambler **Fannie Cram** is sporting around these days?

CONSTRUCTION DEPT. (April 8, 1954), *left to right: Seated:* John McGrath, John Pistilli, Frank Piacitelli, William Pistilli, *Albert Darden. Standing:* Robert Pierson, Robert Wright, Harvey Burrell, James Wright, Norman Chestnut, Frank Pulli.

Italics—Not now with Department.

MAINTENANCE DEPT. (April 8, 1954), *left to right*: *Kneeling*: Valdo Dragani, *Emil Trofa*, John Baranowski, Joseph Rocco, *Charles Lower* (deceased), Morris Gant, Joseph Mallozzi. *Seated*: Maurice Wood, Stanley Clayton, Harold McKenzie, Francis Super, Ross Rile, Harry Bailey, *Herbert Amey* (retired), David McInnes, John Gaines. *Standing:* James Rupton, Elton Garritt, *William Reeves*, George Barreca, Arthur Carter, Jr., *Karl Fotte, Sr.*, Joseph Angelichio, William McCormick, Ralph Antonacio, William Cole, Charles Morris, Leroy Smith, Wolfgang Burlein, Edward Ruth, Booker Washington.

At Right (October 13, 1955): George Antonacio, Jr., Harry Gressang, Robert Godorecci, Joseph D. Feckno, Daniel Feckno.

Italics—Not now with Department.

the ACP News

AUTOMATION COMES TO THE ACCOUNTING DEPT.

or Mathematics Made Easy With Modern Computing and Business Machines

Kay Kane operates the Key Punch Machine to translate sales information from reports and invoices into "IBM machine language"—rectangular holes that the Accounting Machine will "read" when printing the final sales analysis.

The Sorting Machine automatically arranges punched cards in numerical or alphabetical sequence —by name, region, city, state, amount of purchase— according to classification punched in the cards. A variety of types of information can be drawn from the same set of cards by punching according to various subject categories. Jackie Zepp Leach watches the unit sorting cards at the rate of 650 per minute.

ACP Hi-Fi

Every work-day morning at 8:35, three attractive girls meet in a room on the first floor of the new office building. They are ready to start the day's program—operating ACP's "hi-fi" system.

Yes, ACP has gone in for high fidelity. But it's not the usual hi-fi fare of LP records and FM radio stations. The ACP set plays a different kind of music, a music of figures—dollars and cents, products and sales. The figures that are eventually translated into pay checks, vacations, life insurance and other benefits.

The ACP high fidelity system is composed of electronic tabulating equipment designed, made and installed by the International Business Machines Corporation. It's supersonic arithmetic and typing combined. It's the new painless way to count.

FUN WITH FIGURES

And Americans love to count. One thing about it, though; the more things we get to count, the more complicated it becomes to keep track of them. Blaise Pascal, a French mathematician, realized way back in 1642 that something more than a good head for figures was necessary. He designed one of the earliest recorded mechanical computing machines. Others, after Pascal, attempted improvements, but the greatest advancement did not appear until 1889, when the punched card method with which we are all familiar was originated. It enjoyed one of its earliest successes in 1890 when it helped compute the U.S. Census. And basically the same system was used in computing the 1950 census, at which time more than 270 million cards were processed.

ELECTRONIC ARITHMETIC WITH IBM

It shouldn't come exactly as a surprise then to learn that IBM with its punched cards and electronic computers is now helping ACP do a first-class job of sales analysis. In fact, it was in the early part of 1954 that we began to feel an acute need for detailed information about company sales. We wanted sales reports on a regular monthly basis broken down by sales territories and customers for the various departments of our business.

Tabulations made in the past had been done without the help of machines and in many cases the information available was unavoidably incomplete because of the tedium of the work and the great length of time that would have been required to assemble and prepare the data. What the Accounting Department needed was a dream system, a system that would combine accuracy, speed, efficiency, and neatness.

Happily, such a dream system was available. More than a year ago, arrangements were made with the International Business Machines Corporation to install machines that would do the job completely and promptly as each month ended. And, although our IBM Tabulating Department is a small one, we have the most up-to-date equipment available.

Four different types of machines are utilized in the department: a Summary Punch, a Key Punch, a Sorter, and an Accounting Machine.

SUMMARY PUNCH

The Summary Punch is used for the gang-punching (sounds like war in the underworld!) of all product cards. This machine punches information into blank cards from a master card and automatically changes from one product to another as it "reads" a new master card.

KEY PUNCH

Next, the Key Punch Machine punches into these tabulating cards a series of rectangular holes that reproduce in machine language data obtained from pre-punched customer cards and from invoices issued to customers.

At the end of each month, or during the month if some special information is required, two other machines will summarize and tabulate the facts recorded on the cards in the form of rectangular holes.

SORTER

One of these machines, the Sorter, displays a remarkable talent. It performs all kinds of sorting and shuffling jobs, doing tricks with the cards that would probably baffle the most expert card shufflers at Las Vegas and Monte Carlo. The Sorter can sort and shuffle cards at the rate of 650 per minute. That is 39,000 an hour and not bad at all. However, we now have on order (for delivery sometime next year) an even faster machine that will sort 1,000 cards per minute!

ACCOUNTING MACHINE

After all of the gang-punching, key punching, summary punching, sorting and shuffling operations are completed, the cards are fed into the Accounting Machine which swallows them, scans them and then prints the information they contain on a special ACP sales analysis report form. The Accounting Machine can list (or print) at the rate of 80 cards per minute and tabulate (add and subtract) at the rate of 150 cards per minute.

Four reports are prepared for each division of ACP. The main report tabulates sales by showing the customers names, their purchases for the current month and for the year to date by product broken down by each state and sales territory.

It takes about five working days after the end of each month to finish the whole job. The rest of the month, Betty Jane, Kay, and Jackie are busy preparing the cards.

It's a high fidelity system, as we said in the beginning, and it's hard at work providing a wealth of valuable information for our excellent Accounting Department!

Picture of abacus, an ancient instrument for performing calculations by sliding counters along rods or in grooves. Arithmetical principles governing the operation of the abacus remain unchanged in new electronic devices.

Betty Jane, Kay and Jackie display punched cards and report forms now being punched and printed in the "IBM Department."

Here's the hard-working and versatile Accounting Machine printing a report under the watchful eye of Betty Jane Anders. A combined adding, subtracting, classifying and printing machine, this unit prepares reports and records from punched cards. As many as three lines of data can be listed from each card as well as designations, totals, net totals and accumulated net totals.

The Accounting Machine has interchangeable brains! Every time a different class of information is required, a different wiring circuit (brain) must be installed. These wiring boards tell the machine what to do. Here Betty Jane points out some of the special circuits to Kay and Jackie.

ACP DAY BY DAY

METALWORKING SALES

We are happy to report that **Bill Boyer** is greatly improved and is anxious to have his friends at ACP stop in and see him whenever they can. He is really looking forward to visits now.

The ACP News grapevine reports that **Vonnie Berky** encountered a few difficulties in getting her driver's license. The first time the check went astray and never reached Harrisburg, although Vonnie claims she attached one. The next time the license was returned from Harrisburg because she had no house number on her application, she didn't have a house number on her application because the Berky's have only a R. D. number. She spent a week waiting for her permit, and had a lot of time to polish her car. It's a real "black beauty" now. She passed her test the first time and is now an accomplished driver—although it has been suggested that all pedestrians observe a certain amount of caution when she comes into the parking lot.

Welcome to **Edith Rothschild, R. O. Bailey's** new secretary in the Sales Department. Also, welcome to **Bill McGee,** Market Analyst, in Metalworking Chemicals Division.

A farewell dinner for **Peggy Lou Geary** was held at the Springhouse Hotel on September 29, 1955. Peggy Lou received a lovely cashmere sweater, perfume, and a wallet from her co-workers.

Everyone thoroughly enjoyed the delicious dinner and the low calorie liquid refreshments. A good time was had by all.

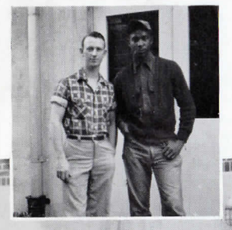
INTERNATIONAL DIVISION

Joe Dudek is presently on a trip to the Scandinavian countries as well as Austria and France and will probably be back by the middle of November. Joe's trip of course is of a technical nature and he will endeavor to assist our licensees with their problems.

J. I. Simpson is on a trip for Hawaii, New Zealand, Australia, Indonesia, Ceylon, India and will return to this Country via England. Innes, we believe, will be the first member of the ACP International Division to make a round-the-world trip.

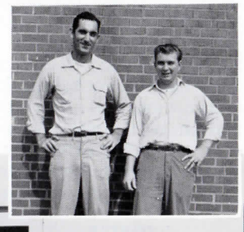
J. O. J. Shellenberger left for a trip to England and Germany for two weeks duration and planned to be back by the end of October.

New Lawn: For the benefit of any of the ACP members who haven't as yet seen the beautiful lawn in front of the International Division Building they should take a quick glance at it, but if by scrutinizing this lawn carefully enough they notice a separation, in other words darker grass in front and lighter grass toward the building, this is easily explained since the front half of the lawn is Merion Blue Grass and the rear half is Kentucky Blue. C.A. sure would like to have about 3,000 square feet just like it.



SHIPPING DEPT. (April 8, 1954), *left to right: Seated:* Francis J. Pulli, Wallace MacKinstry, James Roberto, Gabriel Mancini, Earl Seiz, George Antonacio, Sr., Clarence Gant. *Standing:* David Dean, Joseph Lysinger, William Snyder, George McKinley, Ralph Wood, Norman Urban, Emil Stoyanov.

Insert, Left to Right (October 13, 1955): Salvatore Mallozzi, Nicholas Boychuck.



RECEIVING DEPT. (April 8, 1954), *left to right: Seated:* Richard Shellington, John Duffy, Max Zebich, Lou Diehl, Guy Gochnauer, Joseph Mancini, Mela Mutavski, John Hinkle. *Standing:* Herbert Hopwood, George White, Joseph Landon, John Nelson, *Salvatore Chiriano* (now in Construction Dept.), *James Gordon,* John Chimenti, Robert C. Wood, Robert Leahy, Mickey Krisan, Dominic Giampa.

Insert, Left to Right (October 13, 1955): Francis W. Morgan, James Wood.

Italics—Not now with Department.

RODINE NOW SERVES THE PETROLEUM INDUSTRY

Protects Equipment, Boosts Oil Production

KING OIL

No doubt about it. Oil is definitely king of the Twentieth Century. Oil runs automobiles, diesel locomotives, jet aircraft, commercial airliners, ocean liners. Oil heats homes, apartment buildings, skyscrapers. Oil lubricates the millions of wheels turning every minute of the day. Oil works for everybody. Oil is essential to our own national security and to the survival of the entire free world.

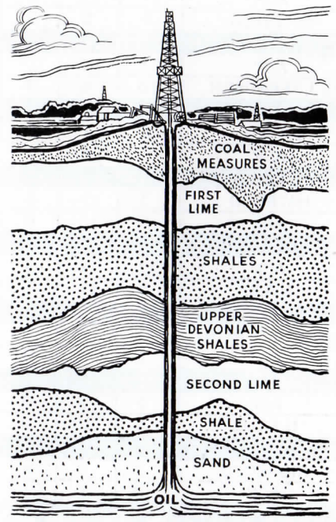
"RODINE" TO THE RESCUE

Now oil wells are getting a new lease on life as the result of some remarkable discoveries in our Metalworking Research Laboratories. "Rodine," which has been the world's standard pickling acid inhibitor for many years and enjoys an enviable fame in the steel and the wire industries, has taken on a new role — corrosion-inhibitor for the gigantic petroleum industry.

Some of the new Rodines are being used to protect tubing, casing, pumps, etc. from impurities that occur naturally in the oil. Brine, fresh water, acids, and carbon dioxide all make life hazardous for steel equipment and here Rodine has the important job of preventing damage to the metal.

Other new Rodines protect steel parts when muriatic (hydrochloric) acid is pumped down through the well deep into the earth to speed up the flow of oil from a sluggish or "tired" oil well. This is the acidizing process. It is used wherever oil wells have been drilled into limestone — a material like chalk with pores through which the oil seeps.

To get some idea of the importance of the new Rodines for the petroleum industry it will be helpful to delve into the history of petroleum itself. To most of us, this product means tall structural steel pyramids bursting with oil, or busy pumps pecking slowly at the earth like some huge prehistoric birds of prey. However, petroleum is older than both pyramids and pterodactyls.



THE STORY OF OIL

Millions of years ago, great numbers of plants and animals lived in ancient seas. Other organic and animal plant life was trapped in the mud of primeval lakes and rivers. When they died, their remains sank to the bottom, where they were mixed with clay or lime mud. This mixture of mud and dead remains made dark sticky layers that contained large amounts of fatty or oily material.

Year after year these layers settled. In time they built up thick formations of shale or dark-colored limestone. These were the "mother rocks" of petroleum and natural gas. They were covered by mud and sand which contained almost no oily material. These deposits covered the "mother rocks" to depths of thousands of feet.

While these deposits were settling, changes went on in the "mother rocks." No one knows just what these changes were, but we do know that they turned the oily material into petroleum and natural gas. Then, after millions of years, the petroleum and natural gas began to work their way upward through cracks and tiny holes in the rocks. Sometimes they came to the surface and were lost. Sometimes they were caught under bent layers of limestone or very fine-grained shale. They formed so-called "pools." Wells, drilled into these pools, make it possible for us to get petroleum and gas.

This much is known for certain: the mechanism that regularly generates petroleum consists of the normal processes of earth and sea—the living and dying of creatures, the deposit of sediments, the advance and retreat of the seas over the continents, the upward and downward foldings of the earth's crust. Wherever great oil fields are found, they are related to past or present seas. This is true of the inland fields as well as of those near the present seacoast. The great quantities of oil that have been obtained from the Oklahoma fields, for example, were trapped in spaces within sedimentary rocks laid down under seas that invaded this part of North America in Paleozoic time.

DEEP HOLES

To obtain the large quantities of oil which we require for our modern needs it is necessary to drill down deep into the bowels of the earth. Many of the wells in the great oil fields — Persia, California, Mexico, Venezuela, Russia, Rumania — are from five to ten thousand feet deep. From one of the deepest wells in California, oil is pumped up from a depth of more than two miles.

UNLIMITED HORIZONS

Since there are today in the United States alone more than 100,000 oil and gas wells drilled into limestone formations and an almost limitless capacity for new petroleum production throughout the world, the future of the "oil-well Rodine" family looms brighter and brighter. And as petroleum with its many derivitives continues to mean so much to so many people, "Rodine" will continue to serve mankind by serving the petroleum industry. If oil is king, then "Rodine" is the king's knight in liquid armor.

★ ★ ★ ★

SPORTS

★ ★ ★ ★

1955 ACP TEAM WINS FIRST PLACE IN NATIONAL DIVISION OF BUX MONT SOFTBALL LEAGUE

Showing remarkable improvement since 1954, the ACP Softball Team overwhelmed all competition in the National Division and finished the 1955 season in first place.

The ACP team, full of vim, vigor and vitality, started its pre-season training in March, 1955 and whacked the old softball around with gusto for weeks before the season officially opened. This strenuous program really paid off. The softball sultans sailed right through the whole season with highest honors in the National Division of the Bux Mont Softball League.

During the semi-final play-offs, ACP won two games from Naval Air Station, Willow Grove, but then came to grief when one game had to be forfeited to the Ambler Liberty Club because of an insufficiency of players. Evidently Lady Luck, who had been smiling rather brightly all season, finally decided to relax and frown for a change.

All of the ACP players were top-notch in their positions throughout the season. The outstanding pitcher of the Bux Mont League was David Dean who won 16 and lost 8 games. Home run king of the Bux Mont League was Fats Pulli. Highest batting averages for ACP were gleaned by Emanuel Wood and John Thompson. The alert ACP team bagged 28 double plays for the season.

Joe Blessing, philosophic Manager, had this to say about 1956 prospects, "The outlook for the 1956 ball team is wonderful. Whatever league we happen to be in next year, I think we will go all the way and bring the championship home. Thank you again from the players and myself." Joe also asseverated, "For the 1956 Softball Season, we would like to have everyone out, if possible, to play ball with us this coming year. Come out, help us, and support us. Throughout the 1955 Softball Season, we had a good turnout from ACP employees. Next year we hope to do even better." *(You will be hearing more from the ACP Softball Team in 1956.)*

1955 PITCHING AVERAGES

Player	Games Won	Games Lost	P.A.
D. Dean	16	8	.666
W. MacKinstry	1	0	1.000

SUMMARY OF THE 1955 SOFTBALL SEASON

	R	H	E
May 3			
ACP	17	12	2
SYL. ELEC.	5	5	3
May 4			
ACP	11	14	1
H. J. FERGUSON	10	6	3
May 12			
A.L.S.C.	4	1	2
ACP	1	3	3
May 16			
HATBORO	1	3	1
ACP	9	13	0
May 17			
ACP	11	14	3
N.A.S.	6	11	1
May 19			
BUCKS CO. PAINT	12	16	0
ACP	5	4	0
May 24			
ACP	7	9	0
N.A.D.C.	5	10	4
May 26			
RICHBORO	7	4	4
ACP	3	6	1
June 2			
ACP	5	6	0
W. G. MOOSE	2	8	2
June 9			
ACP	18	15	0
HATBORO	5	12	2
June 14			
ACP	7	8	1
H. J. FERGUSON	3	7	2
June 15			
ACP	6	8	0
SYL. ELEC.	2	3	2
June 20			
ACP	20	16	0
F & P	11	14	6
June 21			
MITCHELL PK.	7	12	0
ACP	4	11	0
June 23			
N.A.D.C.	10	9	2
ACP	6	4	4
June 27			
N.A.S.	14	15	5
ACP	7	10	3
June 28			
ACP	5	5	0
A.L.S.C.	3	5	1
June 30			
A.M.Co.	11	11	0
ACP	0	1	0
July 19			
ACP	10	9	0
N.A.D.C.	4	6	4
July 21			
ACP	8	10	1
LACEY PARK	3	7	4
July 26			
ACP	11	12	2
N.A.S.	3	8	0
July 28			
ACP	19	17	1
H. J. FERGUSON	2	5	3
August 2			
ACP	9	8	0
HATBORO	3	7	0
August 4			
A.L.S.C.	6	8	2
ACP	5	5	2
August 9			
ACP	10	12	2
SYL. ELEC.	3	9	2
PLAY OFF GAMES			
August 16			
N.A.S.	5	9	1
ACP	3	7	0
August 23			
ACP	10	13	0
N.A.S.	7	3	1
August 25			
ACP	7	10	0
N.A.S.	3	7	0
August 30			
A.L.S.C.	4	4	1
ACP	1	3	0

1955 BATTING AVERAGES

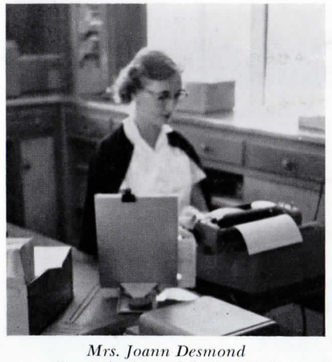
Name	AB	Hits	H.R.	B.A.	Name	AB	Hits	H.R.	B.A.
R. Wood	58	19	3	.328	J. Mancini	70	27	2	.386
C. Olivirei	74	27	1	.365	E. Wood	75	34	4	.453
J. Wood	30	11	.	.367	Fats Pulli	83	32	10	.386
G. Weldon	24	7	.	.292	D. Dean	50	11	2	.220
F. Pulli	62	15	1	.242	D. Woodington	32	13	.	.406
J. Thompson	56	23	6	.411	W. MacKinstry	10	3	.	.300

TEAM AVERAGE .356

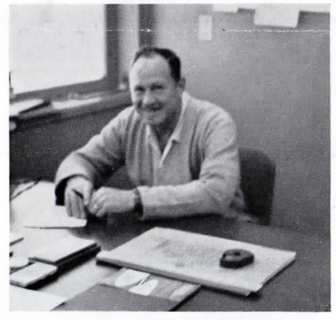
NILES

PORTRAIT GALLERY

Miss C. Marie Ackerman
Williamson's Girl Friday
and Office Manager



Mrs. Joann Desmond
Receptionist and Order Clerk



H. Wendorf
Plant Chemist Et Al.

NILES IN THE NEWS

The following write-up appeared in a recent issue of the Niles' NEWS-REGISTER.

The American Chemical Paint Company, on First Street, Niles, produces metal-working and agriculture chemicals.

According to George Williamson, West Coast Manager, the Niles plant supplies all the bulk needs for ACP products by industry and farms in the area West of the Rockies.

Late in 1952, the former Schuckl Cannery began to undergo extensive alterations to convert it to the American Chemical Paint Company's needs. Williamson came from Detroit to supervise operations, and production began in February, 1953.

An ACP employee for twenty-two years, Williamson explained that seven salesmen take care of the western states. In Niles three office girls handle clerical duties, and four men attend to the manufacturing of the chemicals. The company policy of using modern labor-saving ideas speeds operations. Often changes are suggested by the men themselves for improving techniques.

American Chemical Paint Co. garden aids include ACP Rose Dust, Gro-Stuf, Transplantone, and Rootone. Use of these products has enabled the grower to raise stronger, disease-free plants.

The result of 12 years research, Weedone is the widely-acclaimed weed killer which is harmless to grass. The formula for this, called 2,4-D, has been licensed to thirty-three competitors of ACP, who sell it under different brand names.

One hundred chemicals are used in the compounding of the various products made in Niles, and some require special care. For example, there is a "heating-house" for chemicals which freeze at normal temperatures, so must be kept at a constant ninety degrees.

Arriving by both truck and freight-car, the materials are mixed with great care, using exact measurements. Usually each ingredient is weighed, and "recipes" devised by research men in the main office in Ambler, Pennsylvania, are followed.

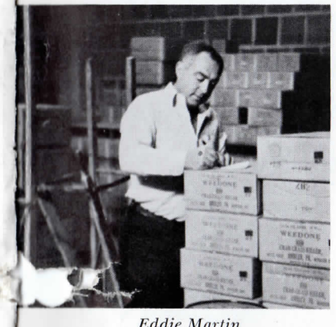
Because of the volume of the Niles operation, bulk chemical mixtures are stored in four 50,000-gallon tanks, as well as in several underground storage containers. These are connected to the mixing vats by pipes, and pumps transfer the chemicals as needed, from one plant area to another.

Both the liquid metal-working formulas and the powdered agricultural products are mixed in huge vats, using beaters which thoroughly blend the ingredients. They are transferred automatically to fifty-five gallon drums, or one and five gallon cans, and are ready for shipping.

Because of the Spring planting and growing season, from January until June is when peak production of horticultural products is attained.

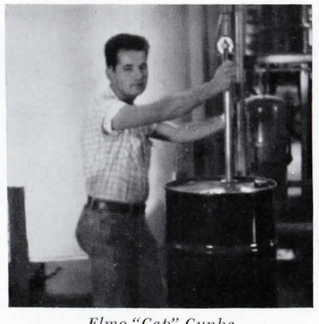
"Efforts are constantly being made to improve our products," according to Williamson, "And as the result, American Chemical Paint is known as the house of inventive discovery. Future plans include perfection of plant hormones that will do selective weed killing."

Washington Township should be proud to have among the industries one which provides such essential chemicals as are made in the Niles American Chemical Paint Company plant.

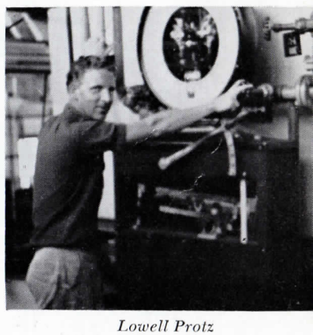


Eddie Martin
Shipping and Receiving Clerk

Miss Carmen Duran
Biller, etc.



Elmo "Cap" Cunha
Filling Drums of WK-650



Lowell Protz
Mixing batch of weedkiller

ACP IDEA WINS AWARD OF MERIT

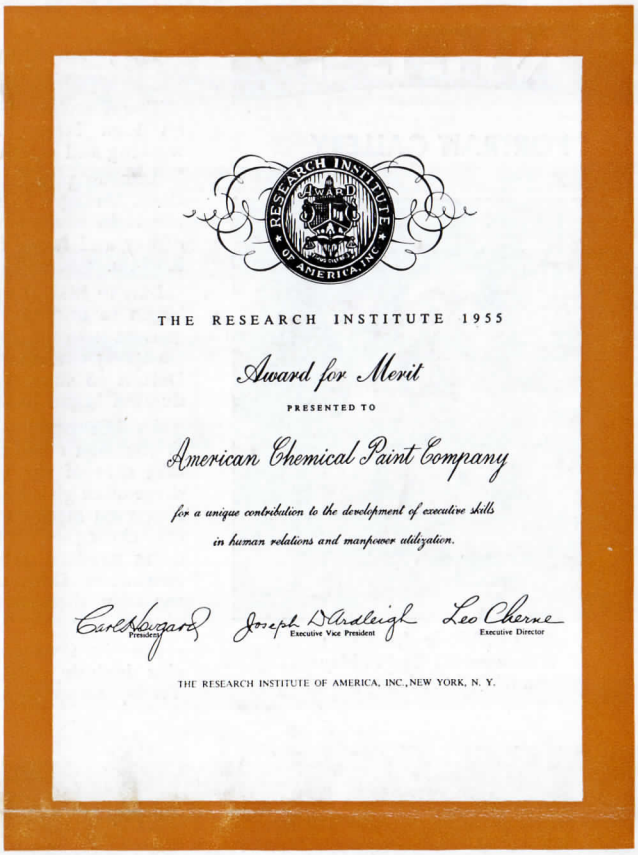
Last May the 30,000-member Research Institute of America gave an award of merit to ACP for creating ideas "to increase production and profits by attention to the human element in business."

American Chemical Paint's contribution was a new version of the old safety-contest idea. As readers of the ACP News know, our firm promotes safety by giving a prize not only to the department with the lowest accident rate, but also one to the department showing the greatest reduction in its accident rate.

W. Graham Smith and Don R. Ellis, Jr. received the awards for the company. News of the Research Institute of America's award to ACP appeared last summer in the Evening Bulletin. After reading this item, Harry B. Light, Jr. of Rickert & Light, Personnel Consultants, Jenkintown, sent this letter to Mr. Cherksey.

"It was a pleasure to read in the Evening Bulletin that your company was given an award of merit by the Research Institute of America. Because of my association with your Personnel Department, and the manner in which they have handled our candidates, I can fully understand how your company would be singled out for this award.

"Continued success in your endeavor to make the American Chemical Paint Company one of the best places for employment."



THE RESEARCH INSTITUTE 1955

Award for Merit

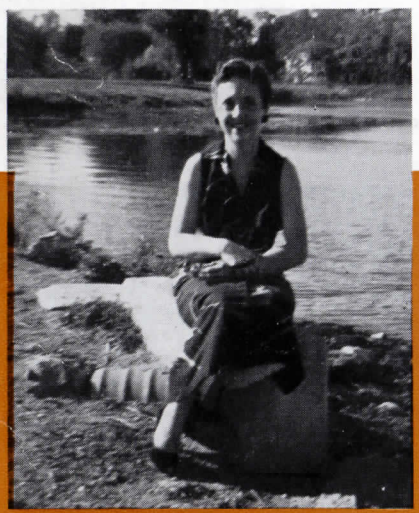
PRESENTED TO

American Chemical Paint Company

for a unique contribution to the development of executive skills in human relations and manpower utilization.

Carl Hovgard, President — Joseph D. Ardleigh, Executive Vice President — Leo Cherne, Executive Director

THE RESEARCH INSTITUTE OF AMERICA, INC., NEW YORK, N. Y.



Blanche Van Buren, our Detroit reporter and efficient and hard-working secretary of the Midwest territory headquarters. Photograph taken by Frances Adamac, our Windsor reporter and industrious secretary of our Canadian office.

Key ACP personnel at Windsor help Jaray Sweryda celebrate his wedding. Left to Right—George Harmon, Frances Adamac, Jaray Sweryda and wife Adelaide, Howard Mulder.