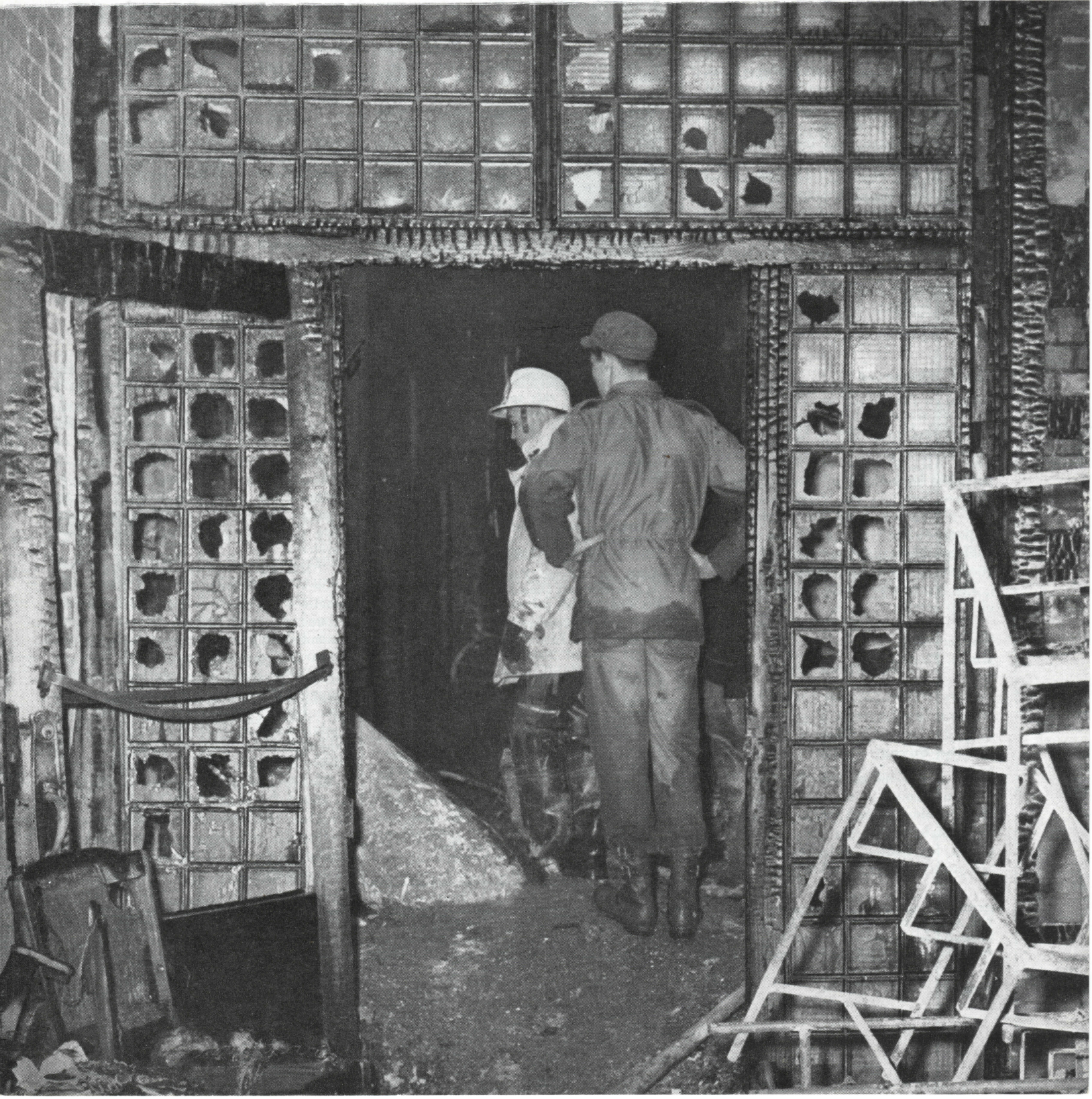


The
ADT TRANSMITTER

vol. XXI. no. 6 — JUNE — 1949



• LETTERS •

Wonderful Job

AMERICAN DISTRICT TELEGRAPH CO.:

Regarding the recent fire in our front office, we wish to thank you for your efficient and alert service which caught this fire in its infant stage and no doubt held the loss to a minimum.

If your electric beam service had not detected the smoke from the fire and alerted your central office, we would have had a loss of much greater proportions, causing much hardship to ourselves and our customers.

This was not the type of service for which your system was installed, but it did a wonderful job in detecting our particular fire. Our loss, including smoke damage, was approximately \$3,000, and could have been four or five times greater had not your system caught it as above noted.

FRED M. KNECHT

Muncie Tool & Engineering Company
Muncie, Indiana

Theft Thwarted

AMERICAN DISTRICT TELEGRAPH CO.:

I wish to commend you upon the satisfactory and efficient manner in which ADT and the Miami Police Department cooperated in handling the attempted burglary on March 6.

If it had not been for your prompt response to the alarm, I am sure that the thief would have been successful in his attempt to steal our merchandise.

The incident certainly proves the value of your service.

B. F. DANBAUM

Ben Danbaum, Inc.
Miami, Florida

On the Cover

It's a sad assignment for these two firemen framed in the charred doorway of the ruins of St. Anthony's Hospital in Effingham, Ill., as they search the debris for bodies of holocaust victims. See story on page 7. Wide World photo.

A NATION-WIDE ORGANIZATION

The American District Telegraph Company (A.D.T.), founded in 1873, is the only nation-wide organization specializing exclusively in the manufacture, installation, maintenance and operation of electrical supervisory and alarm systems for protection against fire, burglary and intrusion, watchman supervision, etc.

A.D.T. Central Station Protection Services are available in more than 350 cities and towns in the United States. In this type of service the protection system in the subscriber's premises is connected to an outside A.D.T. Central Station which provides continuous electrical supervision, transmits alarms to the fire and police departments and investigates trouble and other emergency signals.

Outside of Central Station areas, A.D.T. installs protection equipment for owner operation, with visual or audible signals within the protected premises and, when desired, direct-wire connections to police or fire departments. In exceptionally large establishments, systems may be installed to operate through owner-operated proprietary central stations on the premises.

Whether the system operates through an A.D.T. Central Station or is of the local or proprietary type, A.D.T. provides periodic inspections, systematic tests and complete maintenance by an organization trained and experienced in this type of work. *Without this specialized attention there is little assurance that any protective signaling system will operate when an emergency arises.*

A.D.T. Protection Services include the following systems:

SPRINKLER SUPERVISORY AND WATERFLOW ALARM: Summons fire fighting forces when sprinkler operates. Maintains a continuous automatic check on shut-off valves and other points controlling water supply.

AERO AUTOMATIC FIRE DETECTING AND ALARM SYSTEM: Detects fire and summons fire department automatically.

WATCHMAN SUPERVISORY AND MANUAL FIRE ALARM: Investigates any failure to signal Central Station. Includes Manual Fire Alarm Boxes to summon the fire department quickly and accurately.

BURGLAR ALARM: Automatically detects unlawful entry or intrusion and initiates immediate investigation.

HOLDUP ALARM: Summons police in case of attack by bandits and in other emergencies.

Also: Automatic Fire Control for Air Duct Systems; Heating System and Industrial Process Supervision and other miscellaneous supervisory services.

• EDITORIAL •

Something Can Be Done!

On page 7, Roi B. Woolley, assistant editor of Fire Engineering, relates some of the dramatic details of the catastrophic fire that destroyed St. Anthony's Hospital in Effingham, Ill., on April 4, and brought torture and death to seventy-seven helpless persons, including fourteen infants and children.

Mr. Woolley's facts are based upon a special report to Fire Engineering by Henry E. Marschalk who spent many hours at the scene.

The number of fatalities in the Effingham holocaust are exceeded only by the Cleveland Clinic fire of May 15, 1920, in which flames and toxic gases took a toll of 124 human lives.

The St. Anthony's fire follows the shameful pattern of numerous fatal fires in hospitals and institutions in the past twenty years and points poignantly to deplorable public complacency and neglect of the lessons taught by these recurring tragedies.

What can be done to avert such disasters? Obviously, many such institutions require major structural changes and other basic corrections in which cost is an important factor, and the average hospital today is hard pressed for funds to meet even normal operating costs. But most institutions, if they could be properly aroused to the importance of proper fire protection, could find the means to provide adequate automatic fire detection, alarm and extinguishing systems.

ADT Sprinkler Supervisory and Waterflow Alarm Service and ADT Aero Automatic Fire Alarm Service are among the time-tested and proven measures recommended by fire protection engineers and insurance underwriters.

ADT's record in protecting all of the municipal hospitals and institutions in St. Louis, scores of government hospitals and hundreds of similar properties throughout the country, commends these services to those desiring dependable and effective safeguards against belated discovery of fire and delayed alarms.

These hazards, as this latest tragedy bears out, usually are the principal contributing factors in fires involving heavy loss of life.

THE A. D. T. TRANSMITTER: A monthly news-magazine of outstanding events and features concerning fire, burglary and holdup. Published monthly by the American District Telegraph Company, 155 Sixth Avenue, New York 13, N. Y.—R. K. HYDE, Editor . . . Edited and distributed for the information of employees, subscribers and other interested persons. All articles printed are the individual opinions of the authors. To insure delivery of your copy of THE A. D. T. TRANSMITTER each month, kindly notify the editor of any change in address.

The ADT TRANSMITTER

VOL. XXI

JUNE, 1949

No. 6

'WALKING ARSENAL' TAKEN

Youth Follows Up Dishonorable Discharge From Army With String of Thefts Ending in Des Moines Capture

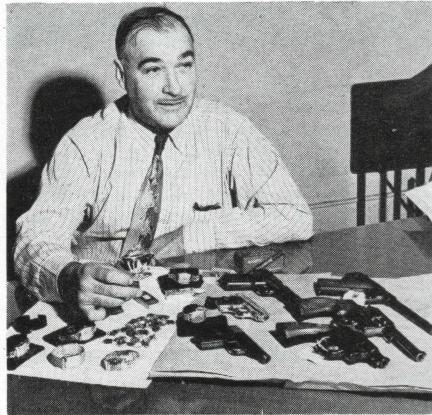
Toting six guns, twenty-six rings and four cigarette lighters, a 19-year-old Iowa burglar surrendered to Des Moines police on April 9 shortly after he had smashed a show window of Daniel's Jewelry Store.

Police converged on the store following receipt of an ADT burglar alarm signal at 1:31 a.m. ADT Guards Kimberley and Black reached the scene before the first squad car arrived. They noticed a suspicious-looking character walking swiftly from the direction of the store and gave the responding officers an accurate description of the man. A general alarm was immediately beamed to all police cars.

The offender, identified by police as Donald LeRoy Kline, was picked up minutes later by a prowler car about four blocks from the jewelry store. When placed under arrest, the youth had loot in his possession valued at \$2,000. Kline readily admitted the window-smashing and added that he acquired the guns a short time before the jewel theft when he broke into a gun shop. A box of ammunition, also believed taken from the gun shop, was found on the youth.

Detectives moved swiftly to link Kline with a series of recent burglaries in the Des Moines business district. He admitted breaking into six stores since March 29 and authorities were confident that his arrest would clear up a number of hitherto unsolved cases.

A two-time "graduate" of a local boys' reform school, the ubiquitous youth was also the recipient of a dishonorable discharge from the Army on March 16. Dismissing his military career as being merely incidental, Kline told detectives that he "got into some trouble over a larceny."



Des Moines Register

LOOT LOST TO LAW — *Des Moines Police Inspector D. W. Rayburn looks over loot found on Kline following April 9 raid on Daniels' Jewelry Store. Six guns, watches, rings, lighters and assorted jewelry were valued at \$2000*

'HIGH TEST' FOR FIREMEN

On the afternoon of April 21, a truck driver from the Ric-Wil Company, Barberton, Ohio, pulled up in front of a gasoline pump and told the serviceman to "fill 'er up."

Leaving the motor running, the driver climbed down from the cab and had just entered the plant when the truck burst into flames.

An employee quickly pulled the nearest ADT Aero Manual Fire Alarm Box which summoned Barberton firemen to the scene. The fire fighters encountered little difficulty in extinguishing the blaze.

It is believed that a quantity of gasoline which had spilled over had ignited from a spark. One side of the truck was slightly damaged by the flames. The quick response and effective work of the fire department held the loss to \$85.

'SOFT TOUCH' UNTOUCHED

Figuring the Sportland Amusement Center to be a "soft touch," a would-be cracksmen of Houston, Texas, forced open a window and confidently approached the office safe.

But even before his fingers touched the combination the burglar unwittingly betrayed his presence. The safe was protected by ADT Telapproach. The instant the intruder penetrated an electrical field surrounding the safe he automatically transmitted an alarm to the Central Station.

Police found no sign of the intruder who probably is still wondering what manner of legerdemain upset his plans.

WELDERS CAUSE TROUBLE

Sparks from a welding torch dropped through a hole in the floor and started a fire on April 22 in a second-floor stockroom of the M. J. B. Company, San Francisco.

One sprinkler head fused at 3:43 p.m., transmitting an ADT waterflow alarm. The fire department extinguished the outbreak with little difficulty. There was slight water damage to goods stored in the room.

GRASS FIRE SPREADS

Sparks from a passing locomotive are believed to have touched off a grass fire which threatened the main plant of the American Brake Shoe Company, Chattanooga, on the afternoon of April 25.

The fire ignited the side of a company wash house adjacent to the railroad tracks, causing operation of the Aero Automatic Fire Alarm System at 2:01 p.m.

Firemen succeeded in confining the blaze to one side of the building. The loss was reported at \$300.

BURGLARY

BURGLARY RING BROKEN

Nashville Gang Believed Smashed With Capture of Teen-Age Team

A large assortment of loot, valued at \$2,500, was uncovered by Nashville police following the arrest of a pair of teen-age burglars in Tyner's Liquor Store on the morning of April 19.

The larcenous careers of the youths, who were identified as James Tomlin and Russell Wingo, 18 and 17 respectively, came to an end less than five minutes after they had tripped an ADT Burglar Alarm while attempting to force their way through a rear wall of the store.

At police headquarters the pair admitted their part in twenty-five previous burglaries which had been plaguing Nashville merchants in recent weeks. Expressing a desire to "clear the whole thing up," Wingo and Tomlin revealed where they had hidden the loot.

Among the items recovered by police in the youths' hotel rooms and bus station lockers were diamond rings, cameras, luggage, whiskey, a revolver and a fur neckpiece.

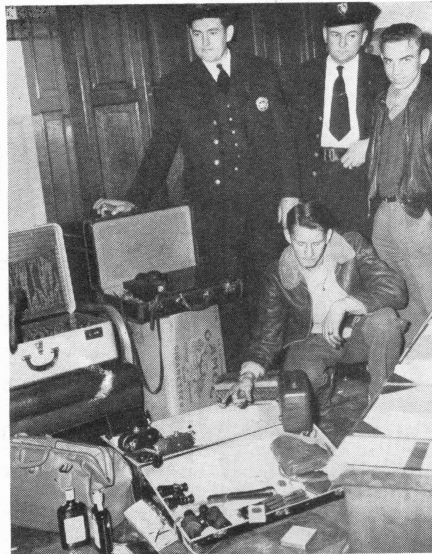
Wingo is said to have a police record while Tomlin is a first offender. With the arrest, police believe that they have the key to a large break-in ring.

TOUGH CUSTOMERS

The patience of shoppers being at a low ebb these days, the manager of a Los Angeles food market didn't seem to mind when two of his male customers became involved in a mild argument.

But when the pair endeavored to press their respective viewpoints by brandishing a couple of wicked-looking knives, he quickly concluded that he would be much better off without their business.

Unobservedly, he operated an ADT Police Call Device and managed to confine the fray to the threatening stage until police officers arrived on the scene a few minutes later to settle the matter in their own way.



Nashville Banner

REAPED FROM 25 RAIDS — Captured in Tyner's Liquor Store by Nashville police, Russell Wingo points out \$2500 in loot accumulated in 25 previous burglaries by him and his partner, John Tomlin (right). City patrolmen John Mullane and G. L. Lilley look on

MR. SMITH GOES TO JAIL

When Nathaniel Smith attempted to pawn some goods in Milton Brown's pawn shop in Baltimore on the morning of April 15, his actions betrayed the fact that all was not right, and caused Mr. Brown to suspect that the articles had been stolen.

Checking his police lookout report, Mr. Brown confirmed his suspicions when he found the articles listed. Casually he engaged his "customer" in conversation and unobtrusively operated a concealed ADT Police Call Device.

Less than three minutes later, Smith was being led away by police officers who held him on a charge of larceny.

RENEWS LEASE ON 'LIFE'

A habitual criminal recently released on parole from a term of life imprisonment again is behind bars after trying to burglarize a Jacksonville dry cleaning establishment protected by ADT.

On the morning of May 2, Willie Johnson, 39, cut a hole in the roof of Roy Brown's shop and shortly thereafter forced an ADT-protected door, which transmitted a burglar alarm signal to the Central Station.

When police arrived, moments later,

Johnson tried to escape across the roof but was quickly taken into custody. On his person police found \$19 in cash, allegedly taken from the shop, and a .38-caliber revolver.

A series of burglaries which took place in the Jacksonville area during recent months was believed solved when detectives uncovered a quantity of machine tools, barber-shop instruments and a radio in Johnson's home.

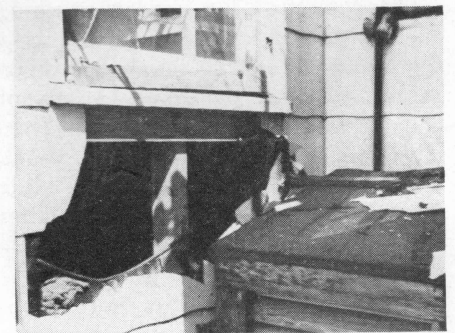
The records revealed that Johnson had been sentenced to life imprisonment in October, 1930, on a charge of armed robbery, but was later released on parole.

BUILDING WRECKER

Armed with a .38-caliber revolver and a sledge hammer, a powerfully built, 15-year-old Houston delinquent with at least a dozen previous burglaries to his discredit, recently surrendered to police and ADT guards in an office of the Southwestern Trading Company.

With all the underworld acumen of a hardened criminal, the youth had skillfully avoided a protected window and effected entrance by sledging a huge hole in the building wall directly below the window.

Inside, he forced an ADT-protected interoffice door and unknowingly transmitted a burglar alarm at 11:18 p.m. Police officers arrived a few minutes later and found the culprit making an unsuccessful attempt to conceal himself



Where teen-ager wriggled through

on an upper shelf of a stationery locker.

A desk pen set and a lighter, valued at \$25, were reported missing, leading police to believe that the youth was accompanied by another teen-ager, whom they expected to locate later.

LUCK RAN OUT

'Never in Trouble Before,' Says Youth After Fifteen Burglaries

After chalking up a string of fifteen consecutive burglaries without a mishap, 23-year-old Gordon Quigley of Seattle recently set his sights on a sixteenth. At that point his success came to an end because the object of his attack was protected by an ADT Burglar Alarm.



Gordon Quigley

Police officers who responded to an alarm from the J. C. Penney Company's department store at 12:38 a.m. on April 24, spotted Quigley as he was attempting to conceal himself in a penthouse.

Insisting that he had "never been in trouble before," Quigley proceeded to relate how he had looted nine Seattle firms (some of them two and three times) from February 26 until finally he came up against ADT.

When asked the reason for his daring escapades, Quigley replied, "I wanted to get about \$2,000 and then head for Alaska. I figured that would be about enough to start a marten and mink ranch up there."

Quigley was \$800 short of his goal when he embarked on his final and ill-fated foray.

TRUE TO TRADITION

On a recent Saturday evening a Chicago couple appeared to be well on their way toward disproving the generally accepted theory that a husband should never attempt to teach his wife to drive a car.

The "missus" was doing splendidly; in fact, her spouse was secretly congratulating himself on his ability to impart his automotive knowledge to her when suddenly there was a grinding of brakes, followed by the inevitable crash of glass.

After a short pause for the usual "endearing" expressions, the two looked up to find that they were practically

inside of the building of the Industrial Engine & Parts Company.

Policemen responding to an ADT burglar alarm caused by the demolition of the front door, led the pair away to the station house where all hands agreed that driving lessons from a stranger would be considerably less expensive.

NOT NOVICES

Completely surrounded by police officers and ADT guards on the night of March 26, a trio of Paterson, N. J., teen-agers surrendered meekly a few minutes after breaking into the machine shop of the E. H. Hill Company.

Police recovered a sledge hammer, a hunting knife, a pair of gloves and a crowbar, indicating that the youths were not novices in the art of burglary.

Shortly after the alarm was received, Police Commissioner Robert Wegner arrived and witnessed the cooperation between ADT and the Paterson police.

FIRE

DUCT FIRES HALTED

Manual Fire Alarm Boxes Prove Handy for Grease Fire Flare-Ups

Fast-thinking employees of the Trico Products Corporation in Buffalo teamed up with firemen to check the spread of flames after a spark from an exhaust fan had ignited grease in a ventilating duct.

When the fire broke out, an employee pulled an ADT Manual Fire Alarm Box while others operated a standpipe hose line. Firemen arrived at the plant in short order and succeeded in confining the blaze to the ventilating system.

An Omaha packing plant experienced a similar fire when welders working on a ventilating system ignited a heavy accumulation of grease and lint. Flames roared through the ducts at a terrific rate.

In this case also, an ADT Manual Fire Alarm Box was operated to summon the fire department. There was no damage to the building, but the metal ventilating ducts were badly warped from the intense heat.

ARC WELDER IGNITES BENCH

Workers at the plant of the Stewart Iron Works, Covington, Ky., failed to cut off the current from an electric arc welder when they left for the day on March 22. At 5:39 p.m. firemen summoned to the plant by an ADT water-flow alarm found a workbench ablaze and fifteen sprinkler heads in operation.

Water from the sprinklers had held the flames in check, preventing what might have been a serious fire. The fire fighters easily extinguished the remaining flames and devoted most of their efforts to prevention of water damage.

SPAGHETTI SAVED

Hundreds of yards of macaroni and spaghetti escaped being brought to a boil on March 5 when fire broke out at 8:15 p.m. in the plant of the Gioia Macaroni Company, Buffalo, N. Y.

Firemen called by an ADT waterflow alarm found a blaze among paper cartons in the bag room. The outbreak had been checked by the sprinkler system as water poured down from three heads.

The fire loss amounted to \$1,000. Cartons and paper bags suffered from water but heavy damage was prevented by the action of the sprinkler system and the speedy arrival of the fire department.

The cause of the outbreak is unknown, but the company officials were inclined to believe it was the result of carelessness in smoking.



Richmond Times-Dispatch

LANDMARK DESTROYED — Loss estimates ran as high as a million dollars after a fire of unknown origin gutted the 96-year-old Dunlop Flour Mill, Richmond, Va., on March 23. The blaze was out of control when discovered by a night employee at 4:40 a.m.

BOYS START BLAZE

Watchman Brady, patrolling the plant of the Commercial Sash & Door Company, Pittsburgh, on the night of April 20, looked across the street just in time to see smoke pouring from an empty freight car, and two small boys fleeing from the scene.

Without investigating further, Brady operated an ADT Manual Fire Alarm Box. A few minutes later, firemen arrived and extinguished a blaze which consumed most of the wooden lining of the steel car. Outside of some blistered paint there was no other damage.

It is believed that the boys started the fire while playing with matches. The loss was \$500.

WATCHMEN

TWO DIE ON DUTY

When ADT guards recently investigated the failure of a watchman to transmit his scheduled signal from the James Bute Warehouse in Houston, they found him lying under his signaling station, dead of a heart attack.

The watchman, Henry G. Martin, 79 years old, that afternoon had complained to his family of a pain in his heart but insisted that he was well enough to perform his duties.

Mr. Martin completed his 6:15 p.m.

round on schedule, but passed away just as he was about to start his 7:15 patrol.

Watchman V. Dubey, employed by the Phoenix Dye Works, Chicago, was found dead on May 1 by ADT guards who went to the plant when no signal was received in the Central Station to record the start of the 4:15 a.m. patrol.

Unable to enter the premises, the guards summoned the day watchman. After a search, the missing man was found lying on the floor in a wash-room. Doctors pronounced him dead of a heart attack.

WATCHMAN'S HANDBOOK

A new and revised edition of The Watchman's Handbook, containing helpful information and suggestions designed to assist watchmen and guards in the proper performance of their duties, has recently been issued.

The new edition has been printed in order to meet the continuing demand for copies from various business organizations throughout the country.

Since its original publication, more than 45,000 copies of the Handbook have been distributed.

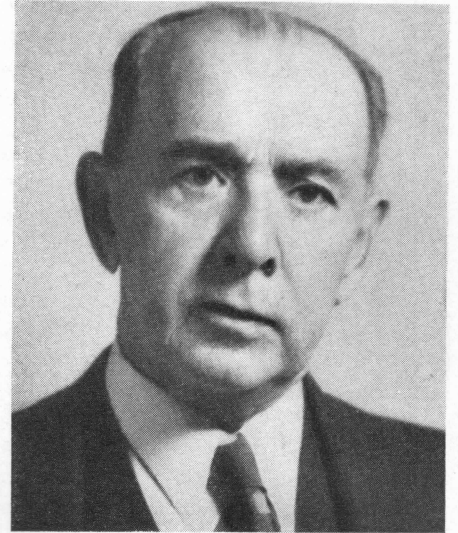
The American District Telegraph Company will be pleased to send copies to any organization employing watchmen or guards, whether a subscriber to ADT Services or not.

Requests should be made to the Executive Office, 155 Sixth Avenue, New York 13, N. Y.

ORGANIZATION

HARRY G. CAVANAGH

Harry G. Cavanagh, general agent, who died on April 12 in the Orange (N. J.) Memorial Hospital following several months of illness, was a veteran



Harry Cavanagh

member of the ADT organization with a host of friends throughout the country.

Mr. Cavanagh was a native of Somerville, Mass. He became associated with ADT in Chicago 45 years ago, starting as a salesman. Later he was employed in the same capacity in Milwaukee and Minneapolis. He served as commercial superintendent at New York and Chicago. In 1936 he became general agent with headquarters at New York.

His activities brought him into contact with practically every fire and police chief in the United States. He was a familiar figure at all of the national and sectional conventions of fire chiefs and police chiefs. He was a life member of the International Association of Fire Chiefs and the International Municipal Signal Association.

He was also a member of the New England Police Chiefs, the New York State Fire Chiefs and the New Jersey State Police Chiefs Associations, and the National Fire Protection Association.

Mr. Cavanagh is survived by his wife, a son Harold, and a sister and brother. His passing leaves a deep void in the hearts of all who knew him.



OREGON MENTAL HOSPITAL BURNS — \$3,000,000 fire at Salem swept from basement to roof in three minutes on May 18. There was no loss of life because heroic nurses, well-trained for emergencies, led all patients to safety

Wide-World

THE ROSTRUM

Devoted to Open Discussion of Protection Problems

THEY NEVER HAD A CHANCE!

Errors of Omission and Commission Resulted in Death to Seventy-Seven in the Nation's Latest Hospital Holocaust

By ROI B. WOOLLEY

It was eleven-thirty in the evening on April 4, 1949. Within the 72-year-old St. Anthony's Hospital at Effingham, Ill., nuns and nurses were going quietly about their duties, ministering to an estimated 108 patients, including a dozen or more infants and children. On the second floor, a father who had come for his young son smelled smoke but was told that nothing was wrong.

Minutes later, as the man was leaving, he again inquired about the smoke, which was then visible in the hallway. He was informed that the engineer had been notified and would attend to it. At that moment, the engineer was observed in the corridor with a fire extinguisher. He was never seen alive again.

Fifteen minutes later the Effingham Volunteer Fire Department was notified by telephone that there was a fire in the clothes chute at St. Anthony's. In less than five minutes an assistant fire chief and a police officer drove up in a pumper. Voluminous smoke billowed from the hospital. Flames were seen in the southeast corner of the main building. Frenzied people were framed in second-story windows.

The next ninety minutes were a nightmare of terror, with hospital attendants, firemen and volunteers, hampered by misfortune and inadequate equipment and facilities, racing the raging fire to save the helpless patients.

The first mishap to befall the fire fighters put one of the nearest hydrants out of commission as they were attempting to hook up the second pumper. This unit had to be relocated two blocks away from the fire—taking the longest fire ladders with it! In another reverse, a pumper was put out of commission.

Lacking life nets and ladders, willing but helpless workers attempted to improvise nets out of mattresses to catch victims, including expectant mothers, forced to jump as burning corridors cut

off all other means of escape. Seventy-seven persons lost their lives.

No unkind fate set the stage for this tragedy. Rather, it was a repetition of man's complacency and procrastination in the face of oft-repeated warnings on fire safety in such occupancies. The aged building was built to burn, with its brick and wood-joint construction, long, uninterrupted corridors, vertical stairways, shafts and chutes; its open roof areas, combustible trim and finish.

Except for a standard fire door between the noncombustible boiler room and hospital laundry there were no barriers to delay fire travel. Not one of the fire escapes was used for escape or rescue. There was no automatic fire detection system, no automatic sprinklers or any type of fire alarm.

The sole means of communicating with the fire department was by telephone from the hospital switchboard, through the local exchange, to a telephone on the janitor's desk in the city hall. The janitor alerted the officer on duty and sounded an uncoded alarm.

Neither the hospital staff nor the fire department had any prearranged

plans for action in the event of a fire in the hospital. Although help ultimately came from eleven communities, there were no rescue or ladder units. The water supply was insufficient.

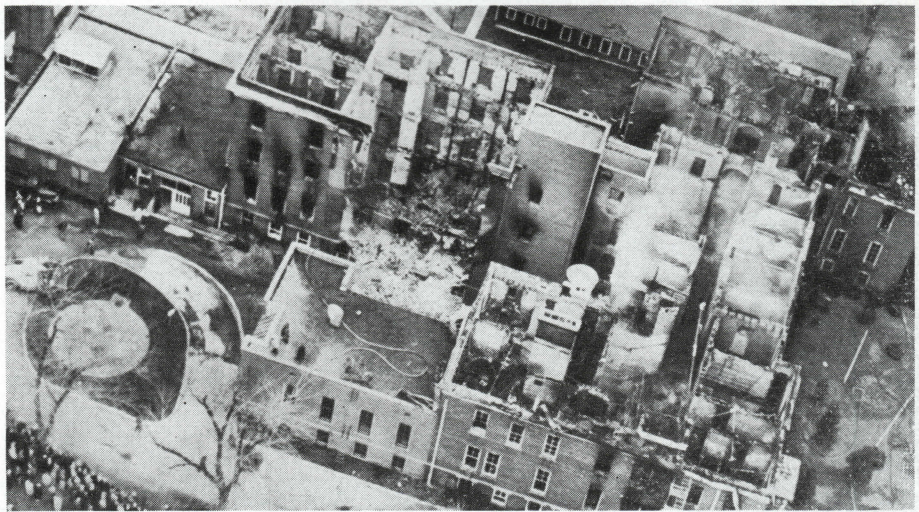
All of these factors, belated discovery, delayed alarm, inadequate rescue and fire control facilities—and a personnel untrained in the handling of such emergencies, contributed to the catastrophe. As in so many other fire disasters, no one thing was to blame.

Almost before the ruins of St. Anthony's had cooled, the Governor of Illinois ordered a recheck of safety measures in hospitals and institutions.

Perhaps out of this catastrophe will come some good, just as the Iroquois Theatre fire brought about regulatory measures that practically ended theatre disasters; just as the Triangle Shirtwaist fire resulted in laws to safeguard factories, and as the Cocoanut Grove and Ringling Brothers, Barnum & Bailey holocausts inspired new, effective safety measures which bid fair to eliminate such disasters.

Long overdue is the universal adoption of the recommendations of fire-protection engineers that buildings used as hospitals, institutions, asylums and the like, shall be wholly or partially protected against fire (depending upon construction and other factors) by proper fire detection, fire alarm and fire extinguishing systems.

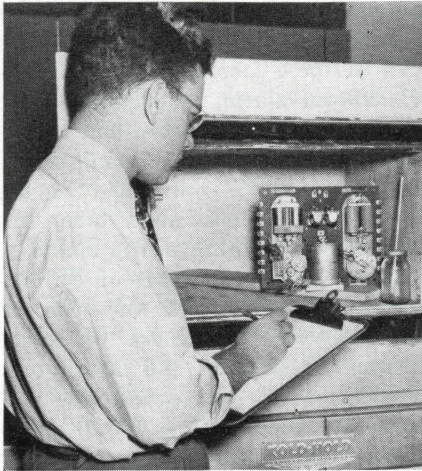
Only rigid enforcement of such fire protection measures will make "St. Anthony's of Effingham" the final episode in the long record of such holocausts.



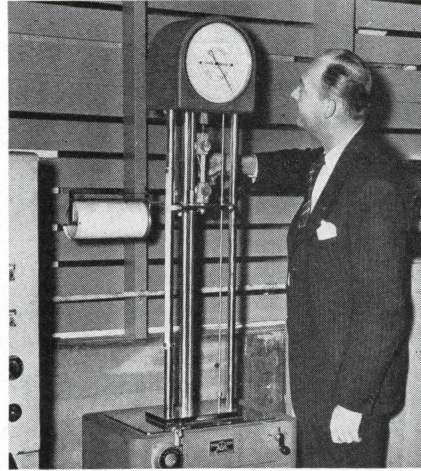
WHERE SEVENTY-SEVEN DIED — Burned-out shell of St. Anthony's Hospital, Effingham, Ill., showing the widespread destruction caused by flames

Wide-World

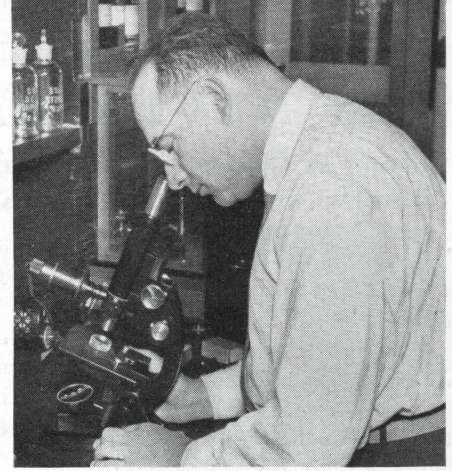
ADT ENGINEERS KEEP PACE WITH SCIENTIFIC PROGRESS



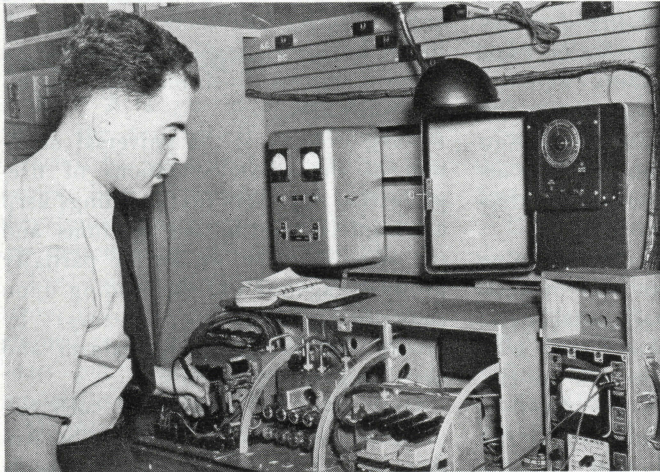
Engineer M. A. Masiello sets up an ADT signal transmitter in a sub-zero refrigerator for cold weather operation



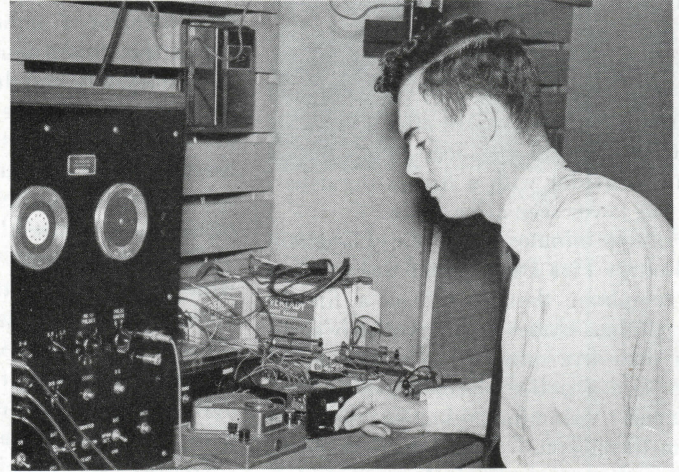
Office Service Supervisor M. J. Patterson tests tensile strength of register tape. ADT uses 25 tons per year to record signals



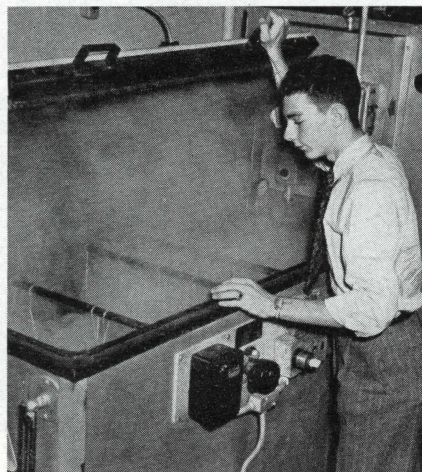
Dr. W. M. Nelson, in charge of materials research, makes a metallographic study of electrical steel for use in ADT relays



Engineer J. M. Bialo adjusts experimental model of electronic bank vault alarm system. Tiny chime bars plus a highly special amplifier system replace 880 pound alarm bell and housing



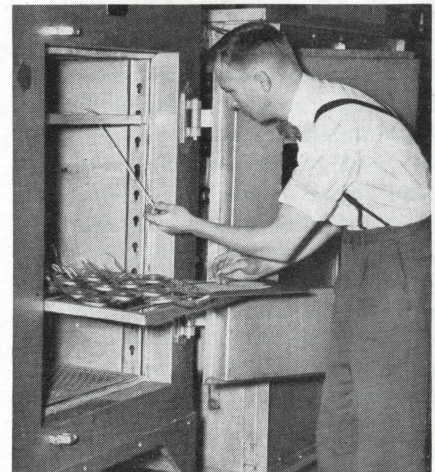
Engineer V. T. McDonough uses the Micronoscope to provide precisely timed current impulses of the order of $3/1000$ of a second to test a newly designed central station burglar alarm drop



Laboratory Assistant T. Halpin operates salt spray machine to test metals and finishes for corrosion resistance



Engineer P. Bencivenga sets up a Geiger-Muller counter to measure intensity of ionization during a recent research project



Engineer J. Swatton bakes an experimental finish applied to ADT Aero Rosettes prior to abrasion and corrosion tests