



NOAA's National Weather Service

**A Review of Events Associated with the Remnants of
Hurricanes Connie and Diane in the mid-Atlantic Region
August 1955**

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WFO Philadelphia/Mount Holly NJ



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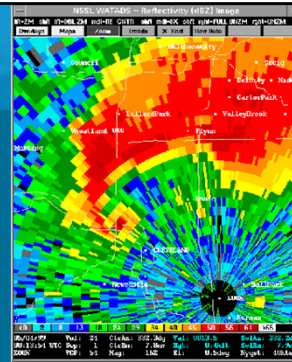
NWS Mission Statement

The National Weather Service Produces Weather, Water, and Climate Forecasts and Warnings:

To Protect Life and Property for All Americans
To Enhance the National Economy

Data and Products to:

- Government Agencies
- Private Sector
- The Public
- Global Communities

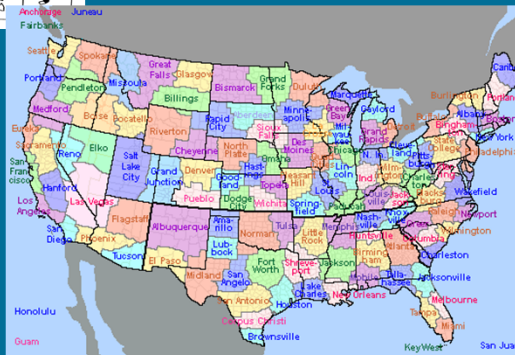


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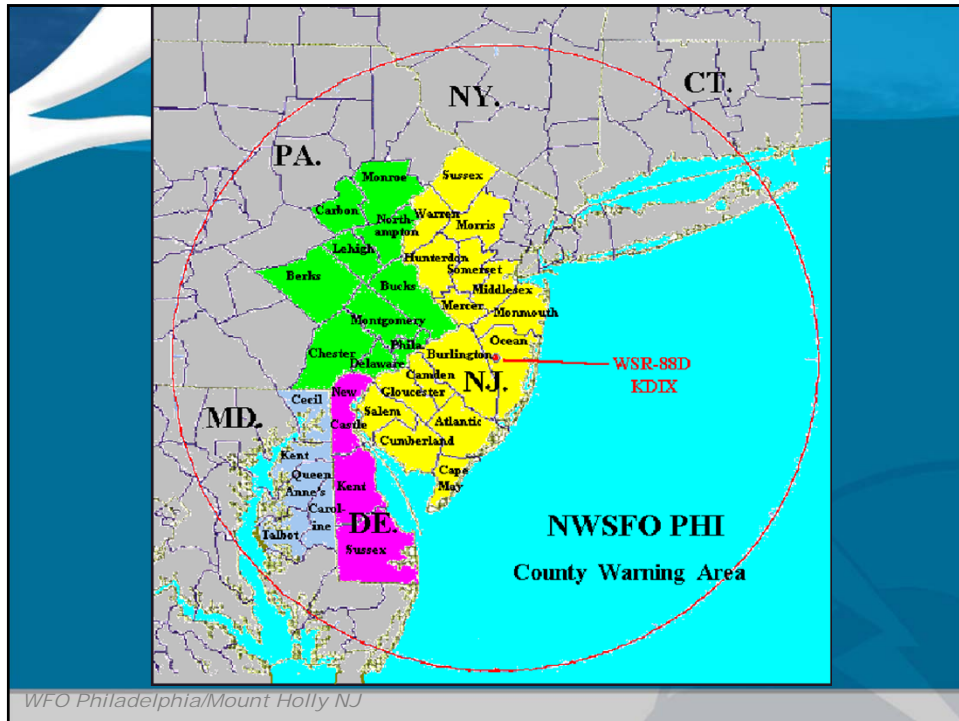
LOCATIONS OF WEATHER FORECAST OFFICES





122 Offices Nationwide



WFO Philadelphia/Mount Holly NJ




NWS Forecast Office - Mount Holly, NJ


NWS Mount Holly Personnel

- Senior Forecasters : 5
- General Forecasters: 5
- Meteorological Interns: 4
- Electronic Technicians: 3
- Hydrologist: 1
- Management: 5
- IT position: 1
- Administrative support: 1
- Total Personnel: 25




Fort Dix, NJ WSR-88 Doppler Radar



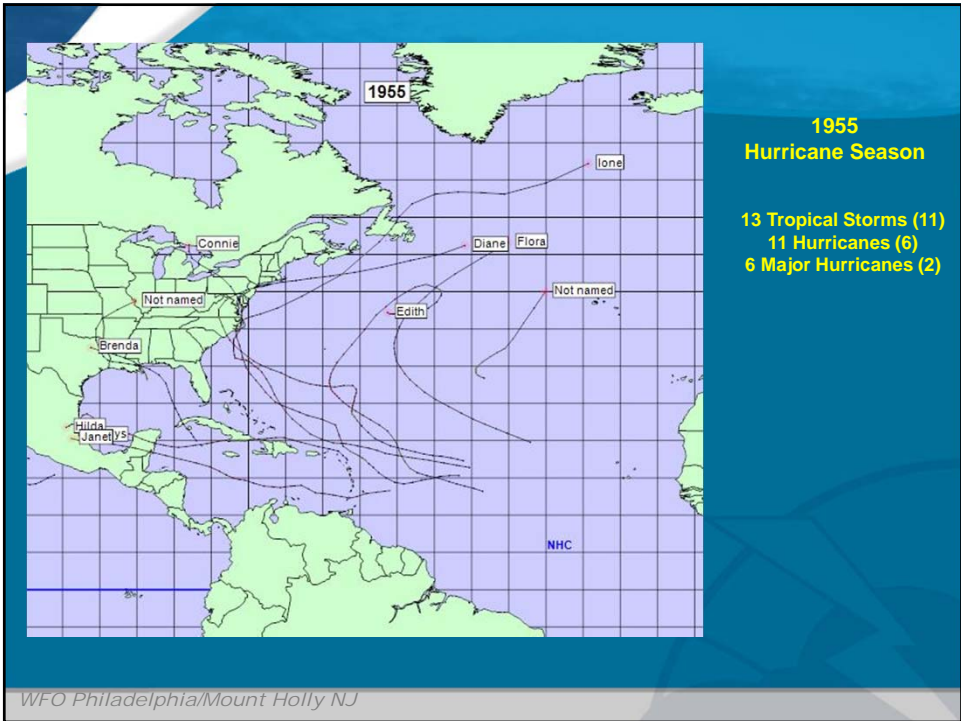
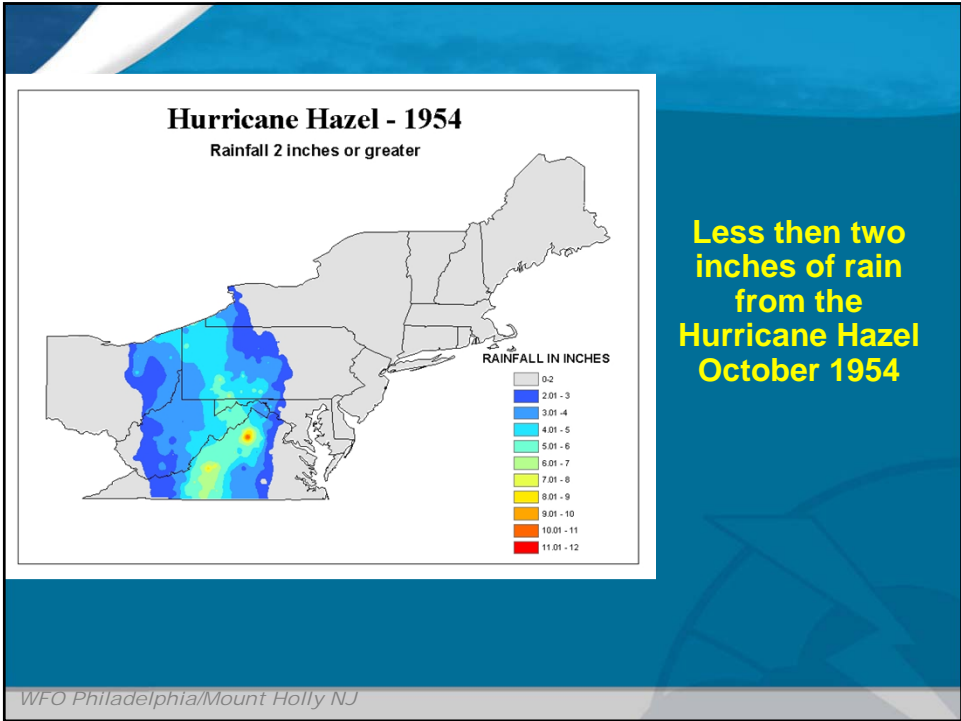
Dover AFB - KDOX

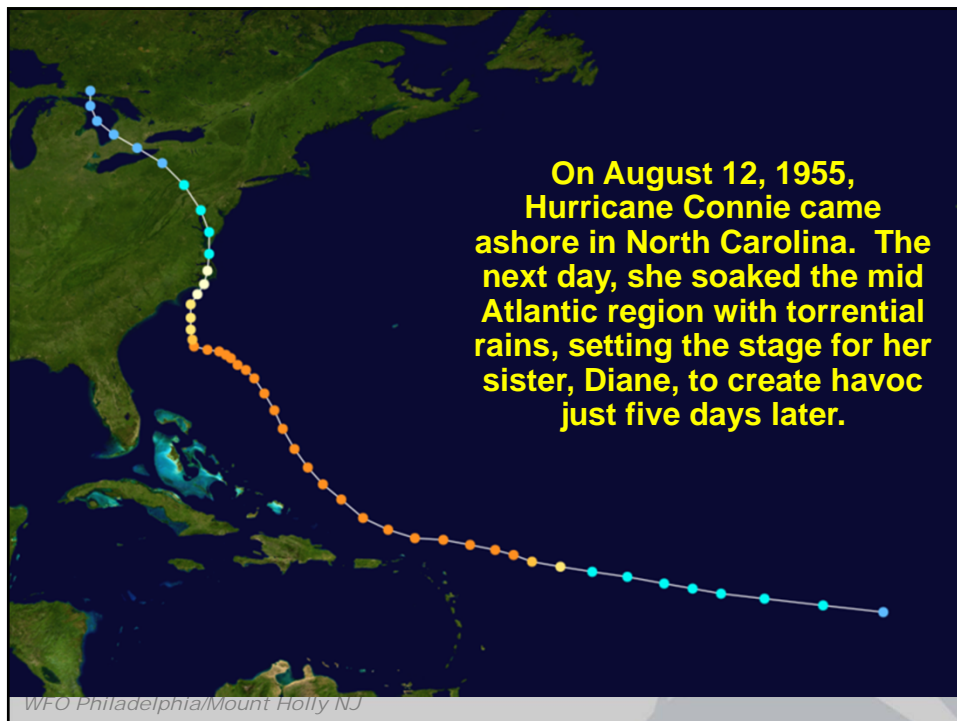
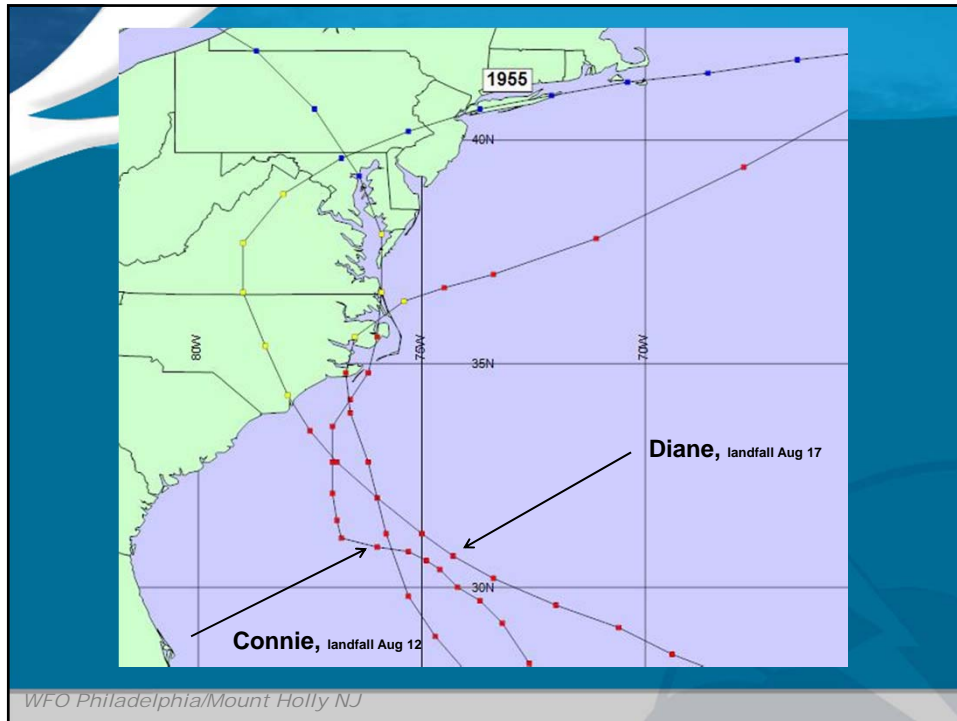


County Warning Area

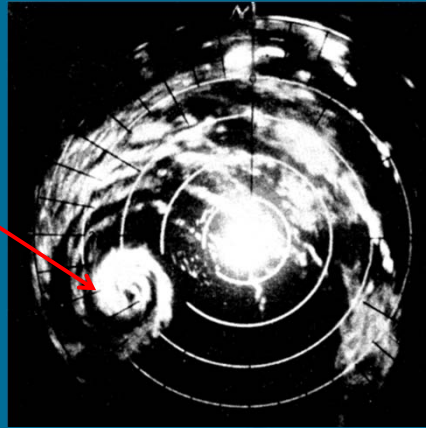




ASOS

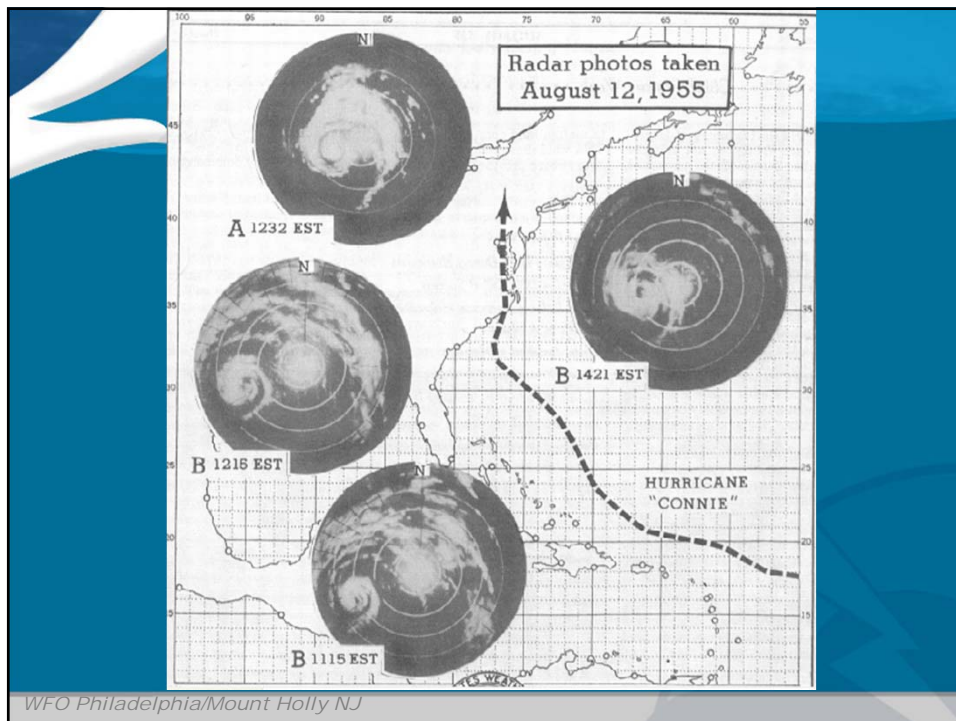




**Radar image of
Hurricane Connie as it
approached the North
Carolina Coast
August 12, 1955**

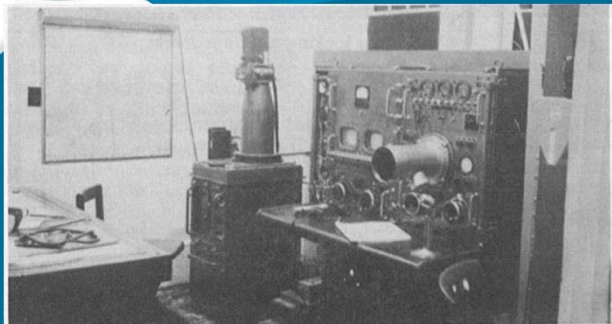


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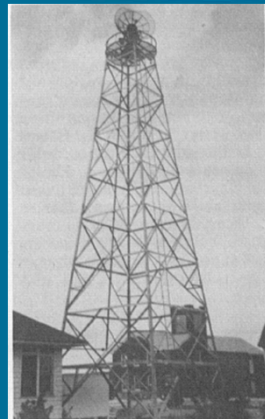


WFO Philadelphia/Mount Holly NJ

First Generation NWS Radar at Cape Hatteras, circa 1955



Another view of radar operating room. Time-lapse 35 mm. camera on independent repeater scope, radar plotting board and 24-inch projection PPI repeater are shown from center to left, respectively.



SP1M antenna on 65-foot tower. Two emergency gasoline engine-generators are located in shelter at left foot of tower.

WFO Philadelphia/Mount Holly NJ

WASHINGTON WEATHER BUREAU ADVISORY NUMBER 36 CONNIE 11 AM EST
AUGUST 12 1955

HURRICANE CONNIE IS AGAIN SHOWING SIGNS OF ERRATIC MOVEMENT AND DURING THE PAST FEW HOURS HAS MOVED ON A MORE NORTHERLY COURSE PASSING INLAND NEAR MOREHEAD CITY NC ABOUT 9 AM EST. AT 11 AM EST THE HURRICANE WAS CENTERED NEAR LATITUDE 35.1 N LONGITUDE 76.8 W OR ABOUT 60 MILES WEST OF CAPE HATTERAS. IT IS MOVING NORTHWARD ABOUT 12 MPH AND HURRICANE FORCE WINDS EXTEND OUTWARD ABOUT 50 MILES EAST OF THE CENTER AND ONLY A SHORT DISTANCE OTHER DIRECTIONS. GALES EXTEND OUT 250 MILES TO THE NORTHEAST AND 150 MILES TO THE SOUTHWEST. CONTINUED NORTHWARD MOVEMENT OF 10 TO 12 MPH IS INDICATED FOR THE NEXT 12 HOURS AND THIS WILL PLACE THE HURRICANE IN SOUTHEASTERN VIRGINIA ABOUT MIDNIGHT. THERE IS NO INDICATION OF ACCELERATION IN FORWARD SPEED AT THIS TIME AND THE HURRICANE IS EXPECTED TO WEAKEN GRADUALLY AFTER ANOTHER 6 HOURS. TIDES WILL AVERAGE 5 FEET ABOVE NORMAL ALONG THE ATLANTIC COAST IN THE PATH OF THE STORM AS FAR NORTH AS DELAWARE BREAKWATER AND MAY RANGE AS HIGH AS 8 FEET ABOVE NORMAL AT SOME POINTS AS THE STORM PASSES. HEAVY RAIN WILL OCCUR NORTH OF THE STORM ALONG THE COAST. ALTHOUGH THERE IS AN INDICATION THAT THE HURRICANE WILL GRADUALLY WEAKEN ALL INTERESTS ALONG THE COAST NORTH OF THE HURRICANE DISPLAYS SHOULD CONTINUE TO BE ON THE ALERT FOR POSSIBLE EXTENSION OF WARNINGS. HURRICANE WARNINGS ARE DISPLAYED NORTH OF MYRTLE BEACH TO DELAWARE BREAKWATER AND NORTHEAST STORM WARNINGS NORTHWARD TO PROVINCETOWN MASS. WARNINGS WILL BE LOWERED SOUTH OF THE STORM THIS AFTERNOON AS WINDS SUBSIDE. NEXT ADVISORY WILL BE FROM WASHINGTON AT 5PM AND A BULLETIN WILL BE ISSUED BY 2PM

SCHMIDT WEATHER BUREAU WASH.

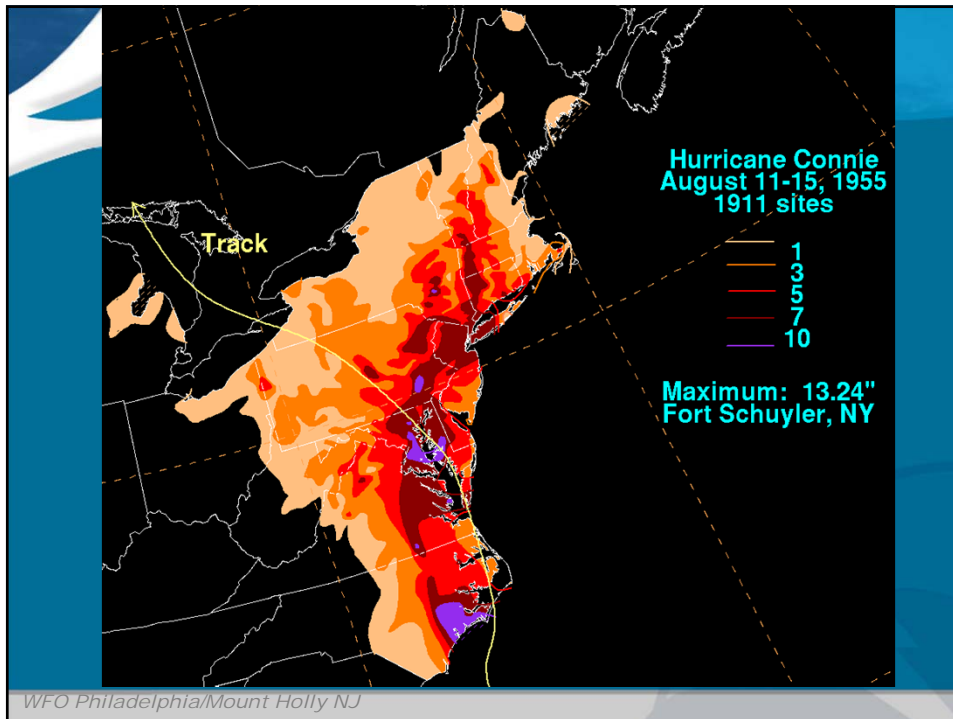
WFO Philadelphia/Mount Holly NJ

WASHINGTON WEATHER BUREAU ADVISORY NUMBER ADVISORY NUMBER 39 CONNIE
 5 AM EST AUGUST 13 1955.

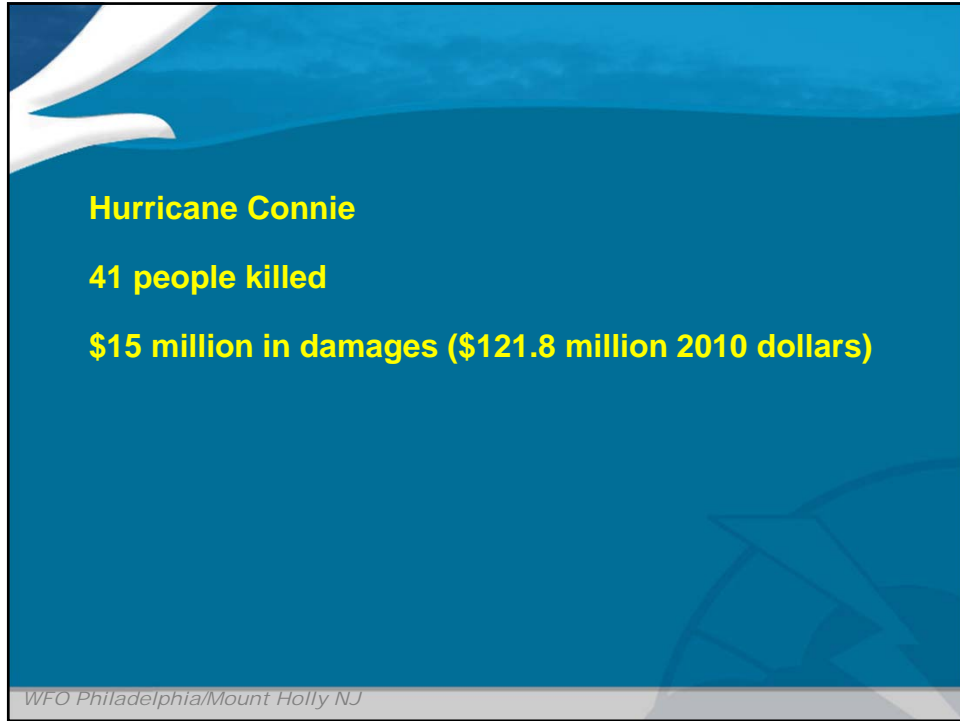
ALL HURRICANE WARNINGS HAVE BEEN LOWERED BUT STRM WARNINGS REMAIN
 DISPLAYED FROM DELAWARE BREAKWATER NORTHWARD TO EASTPORT MAINE AND
 STRM WARNINGS IN DELAWARE BAY AND UPPER CHESAPEAKE BAY WILL BE LOWERED
 LATER THIS MORNING AFTER THE CENTER PASSES. DURING THE PAST 6 HOURS
 CONNIE HAS BEEN MOVING IN A GENERAL NORTHERLY DIRECTION UP CHESAPEAKE
 BAY AT ABOUT 17 MPH AND HAS LOST SOME OF ITS INTENSITY WITH WINDS NOW
 GENERALLY 30 TO 40 MPH IN NORTHERN AND EASTERN SECTORS EXCEPT 40 TO
 50 MPH ON THE COASTS OF NEW JERSEY AND LONG ISLAND. AT 5 AM EST ...
 1000 ZEPHRA.. IT WAS CENTERED 38.6 NORTH AND 76.5 WEST OR ABOUT 40
 MILES SOUTHEAST OF WASHINGTON DC. MOVEMENT TOWARD THE NORTH OR NORTHWEST
 AT ABOUT 17 MPH IS INDICATED FOR THE NEXT 12 TO 24 HOURS WITH FURTHER
 DECREASE IN WINDS AROUND THE CENTER DURING THE AFTERNOON AS THE CENTER
 FILLS OVER PENNSYLVANIA.
 HOWEVER HEAVY RAINS OVER AREAS OF PENNSYLVANIA NEW JERSEY AND NEW YORK
 STATE WILL LIKELY CAUSE CONSIDERABLE FLOODING. TIDES IN DELAWARE
 BAY AND ALONG COASTAL AREAS NEW JERSEY AND LONG ISLAND MAY RUN 4 TO
 6 FEET ABOVE NORMAL WITH HEAVY SEAS. PRECAUTIONS SHOULD BE TAKEN INLAND
 AREAS IN PATH OF STRM AGAINST HEAVY RAINS AND FLOODING AND ALL PRE-
 CAUTIONS TAKEN IN COASTAL AREAS NEW JERSEY AND LONG ISLAND AGAINST
 HIGH TIDES AND HEAVY SEAS DUE TO EAST AND SOUTHEAST WINDS 45 TO 50
 MPH THIS MORNING GRADUALLY DIMINISHING DURING AFTERNOON OR EVENING.
 THE NEXT BULLETIN ON THIS STRM WILL BE ISSUED AT 8 AM EST AND THE
 NEXT ADVISORY WILL ISSUE AT 11 AM EST.

REQUEST WEATHER BUREAU WASHINGTON

WFO Philadelphia/Mount Holly NJ



WFO Philadelphia/Mount Holly NJ

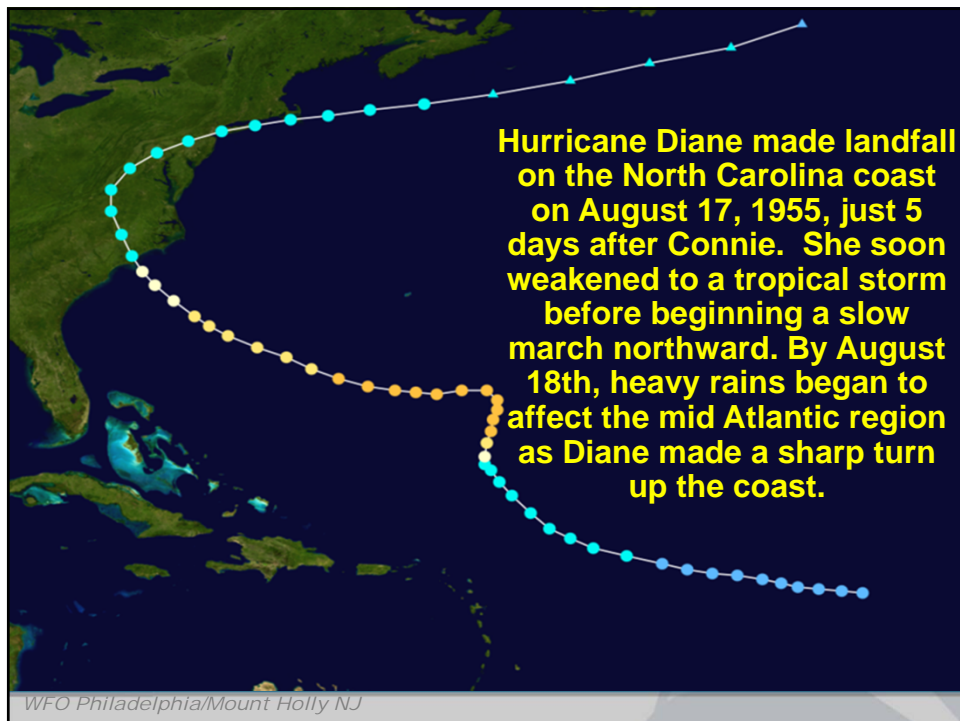


Hurricane Connie

41 people killed

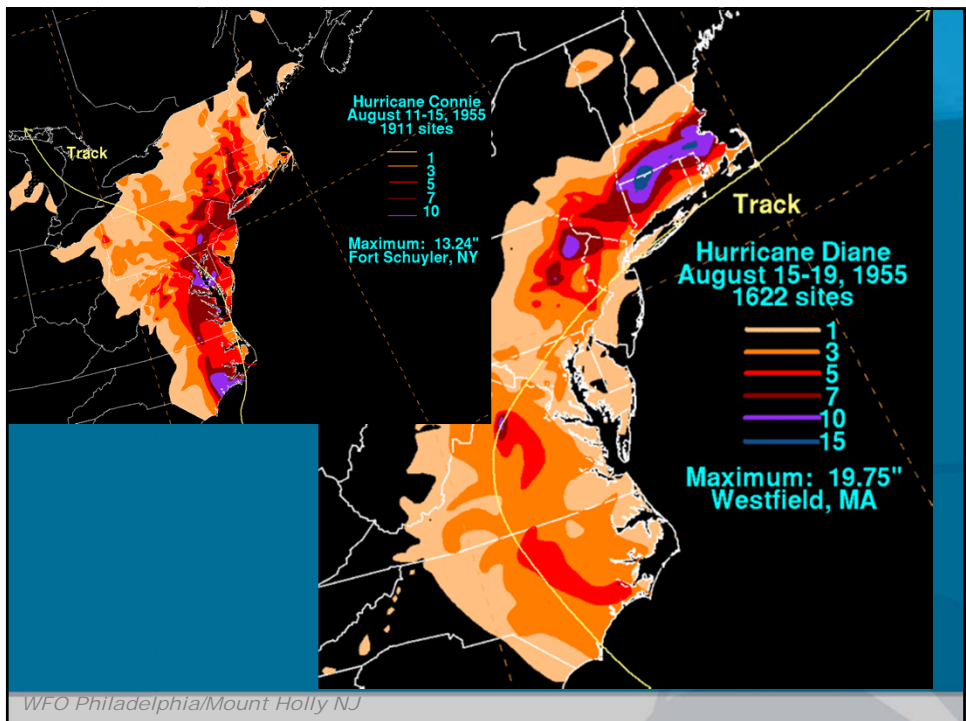
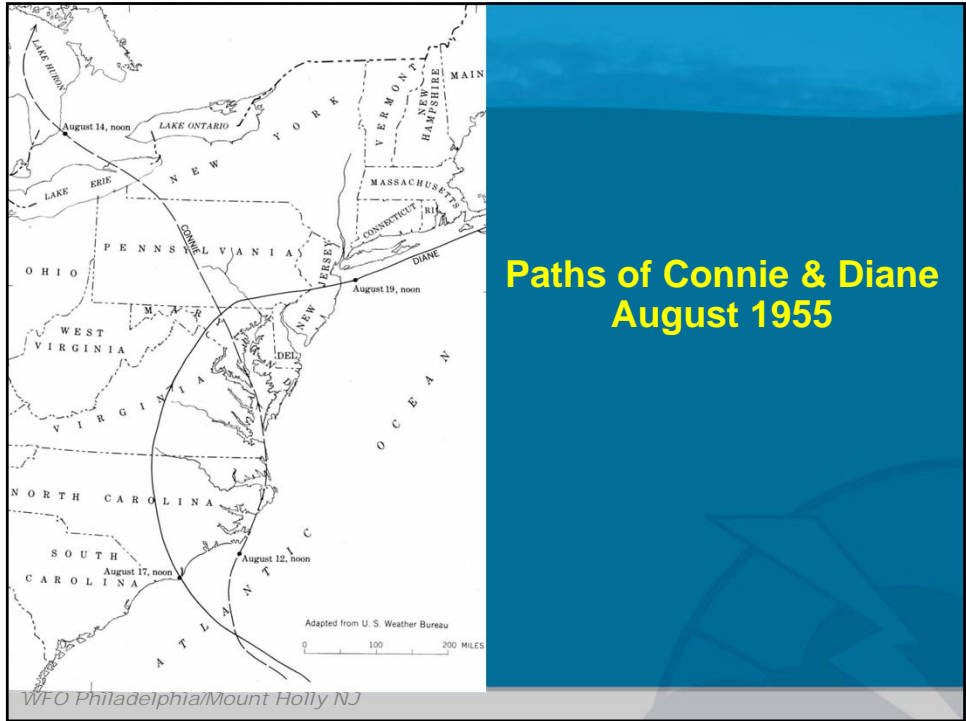
\$15 million in damages (\$121.8 million 2010 dollars)

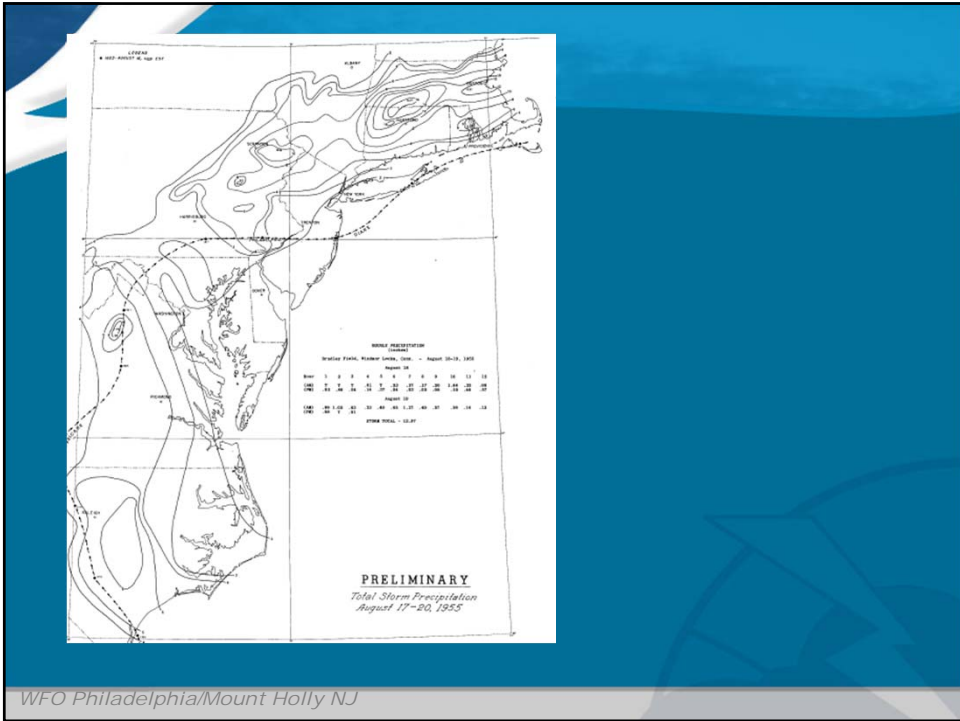
WFO Philadelphia/Mount Holly NJ



Hurricane Diane made landfall on the North Carolina coast on August 17, 1955, just 5 days after Connie. She soon weakened to a tropical storm before beginning a slow march northward. By August 18th, heavy rains began to affect the mid Atlantic region as Diane made a sharp turn up the coast.

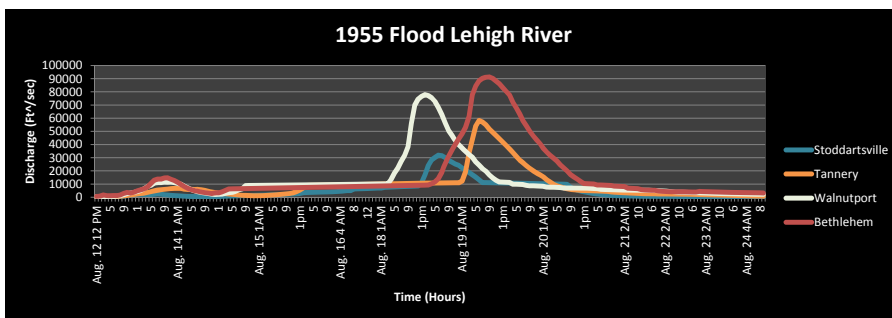
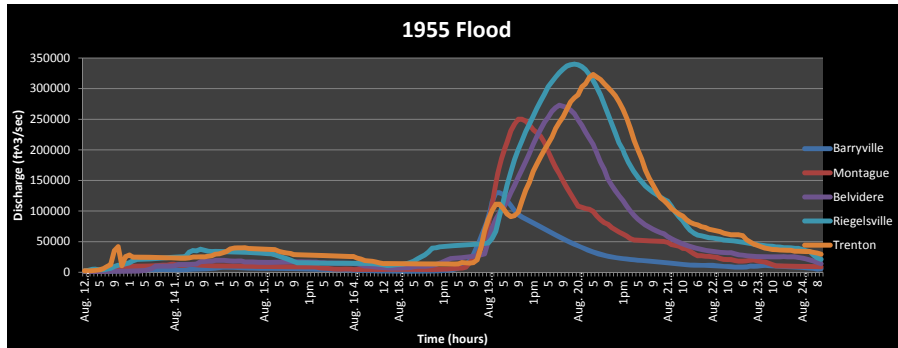
WFO Philadelphia/Mount Holly NJ

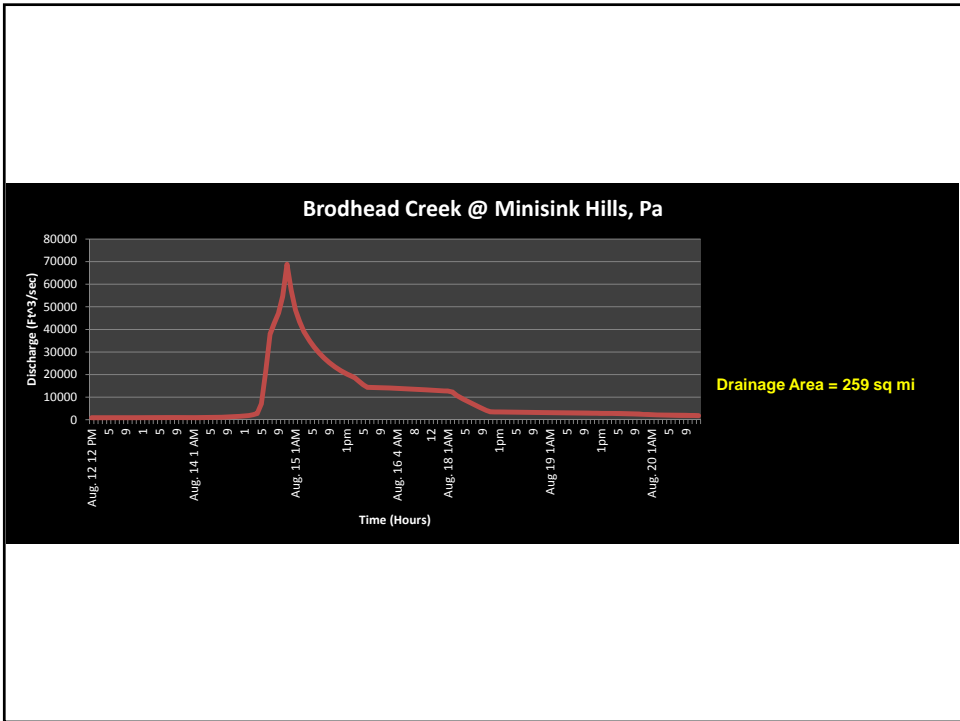
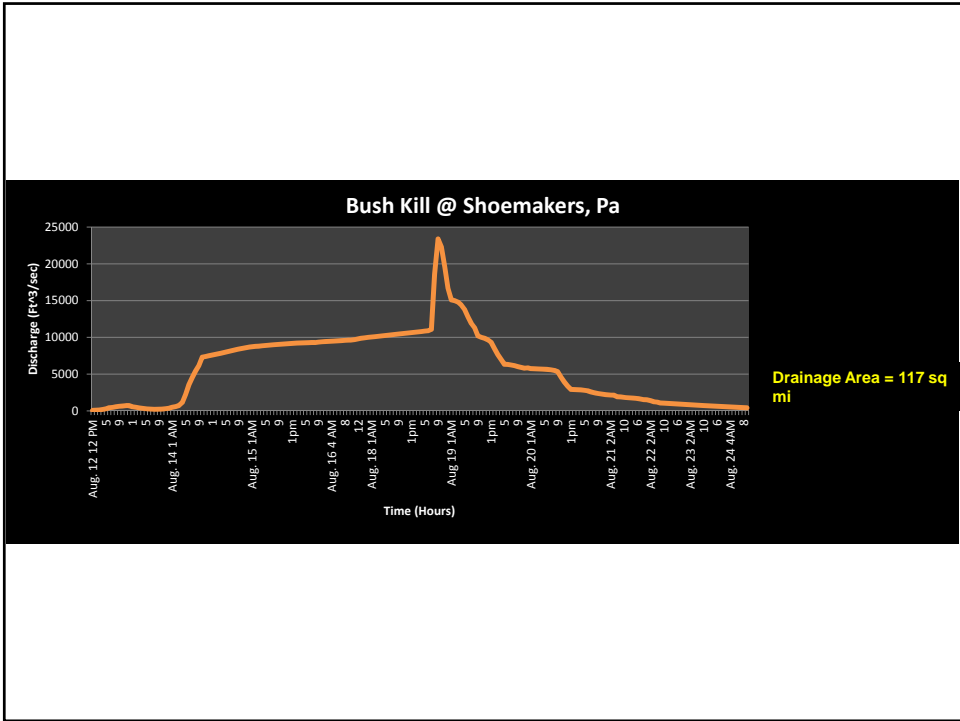


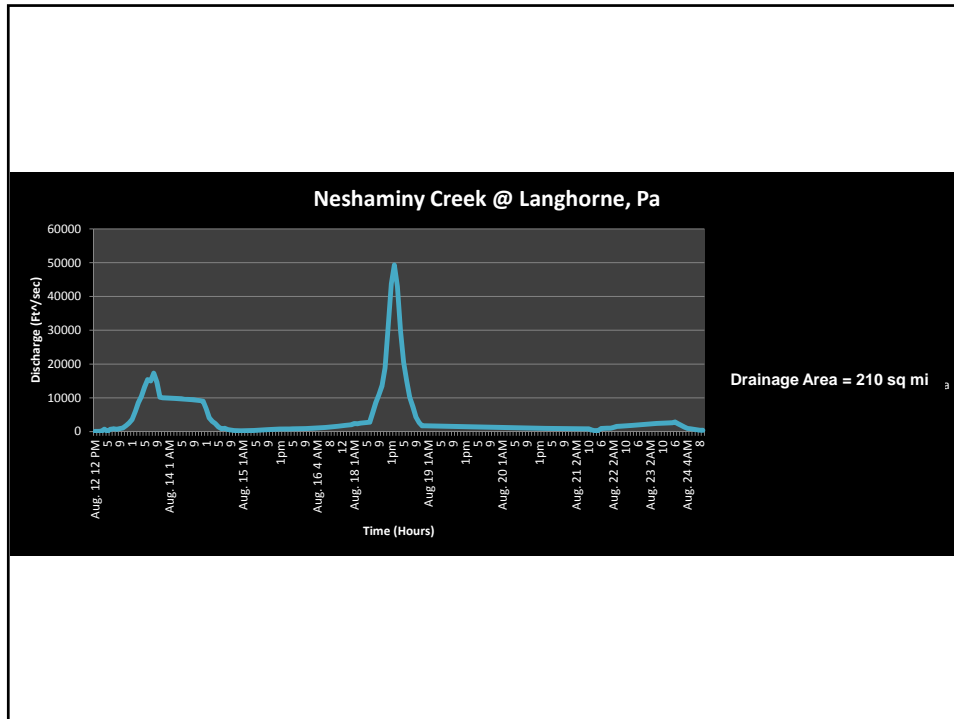


	Pocono Mountains	Allentown	Palm	Doylestown	Lambertville	Neshaminy Falls	PHL
Connie	9.84	6.69	9.17	7.87	7.05	7.29	5.48
Diane	10.75	3.57	5.32	6.37	4.53	2.45?	2.98
Total	20.59	10.26	14.49	14.24	11.58	9.74	8.46

WFO Philadelphia/Mount Holly NJ







Some Statistics Associated with the August 1955 Flood

- Between 184 and 200 people killed along the eastern seaboard
- 99 people killed in the Delaware River Valley
 - 88 in Pennsylvania (74 in Monroe County alone)
 - 11 in New Jersey and southern New York State
- Largest loss of life occurred at Camp Davis, a religious retreat just south of Analomink, where 37 people perished (mostly women and children)
- Boy Scouts on Treasure Island, Campfire Girls on Pennington Island, and church campers on Pennington and Marshall Islands were all successfully evacuated by more than a dozen aircraft (mainly helicopters) within a 90 minute time period

Source: Devastation on the Delaware
by Mary A. Shafer

WFO Philadelphia/Mount Holly NJ

Weather
Rohrer Weather, Tomorrow
Temperature
8 A. M. 87
1 P. M. 81
5 P. M. 81

EASTON EXPRESS

HOME EDITION

100TH YEAR, NO. 240 28 PAGES EASTON, PA., MONDAY, AUGUST 15, 1955 28 PAGES FIVE CENTS

Diane Heads For Georgia And South Carolina Coasts

Three Actors Refuse To Answer Questions On Possible Red Ties

2 Cite 1st And 5th Amendments To Constitution Before Walter Committee, Other Says Group 'Has No Right To Invade Beliefs'

NEW YORK (AP)—Three Broadway actors refused today to answer questions about possible Communist relationships at a hearing of the House Un-American Activities Committee today.

Sen. Yosko Aims To Reach 'Core' Of Fund Crisis

LEADER REGIME INCREASES BY \$41 MILLION TOTAL OF REVENUE DUE

Says He 'Saw The Face Of Death'



John W. Calvert, 47, looks at the 12-inch pipe through which he was whisked 100 feet by swirling water into a hidden pool yesterday. Calvert, of Baltimore, Md., was climbing the closed pipe when he was killed.

Measure To Curb Two Men Die As Result Of Area Traffic Crashes

Bridge Commission Backed By Dumont

Humid Weather Slated To Stay Here Tomorrow

6 1/2 Inches Of Rain Dumped On Area In Two Days

While some weather which came to the Easton area today was not so hot as the new maximum followed a low for some of the past days. Rain, however, was a welcome change. A total of 6 1/2 inches of rain fell in the area in the last 48 hours.

North Carolina Placed On Alert; North Florida In Path Of Heavy Wind

Low Pressure Of Gonne Attacks Near Storm While High Pressure Over Atlantic Ocean Keeps Her From Northernly Recurve

MIAMI, Fla. (AP)—Storm warning forecasts expected to issue hurricane warnings for the Georgia and South Carolina coasts today as weather developments pointed Diane, fourth tropical storm of the season, straight toward the area.

Three In Family Among 12 Dead In N.J. Mishap

FIVE FATALITIES BLAMED ON COLLIE; MAN, SON KILLED IN CRASH

WFO Philadelphia/Mount Holly NJ

Weather
Rohrer Weather, Tomorrow
Temperature
8 A. M. 76
1 P. M. 82
5 P. M. 82

EASTON EXPRESS

HOME EDITION

100TH YEAR, NO. 241 30 PAGES EASTON, PA., TUESDAY, AUGUST 16, 1955 30 PAGES FIVE CENTS

Diane Drives Menacingly Toward Carolina Coastline

Actor Challenges Right Of Walter Committee To Quiz Him On Activities

Charges House Unit Probe Helping In Blacklisting Of Entertainers For Political Reasons; Fails To Invoke 5th Amendment

NEW YORK (AP)—An actor called as a witness today said that the House Un-American Activities Committee, in its probe of alleged Communist penetration into show business, has been helping in the blacklisting of actors for political reasons.

Red Cells Exist In Government, Walter Reveals

NEW YORK (AP)—Walter, 47, said that the House Un-American Activities Committee, in its probe of alleged Communist penetration into show business, has been helping in the blacklisting of actors for political reasons.

Sweet Little 'Hurricanes'



Constance and Diane, storming daughters of Mr. and Mrs. Constance, of Philadelphia, Pa., were in the car when Hurricane Diane was seen. Mrs. Constance was in the car when Hurricane Diane was seen.

U.S. Gives World Tax Parley Turns Down Secret Of Making GOP Sales Levy, Income Uranium Metal Tax Program Of Leader

Cites Progress In Plan Another Meeting Set For Aug. 22 In Effort To Increase Food Supply Of Globe

More Wind, Rain In Pennsylvania Seen Over Diane

Rains Likely To Start Tonight; Winds Up To 20-30 M.P.H.

PHILADELPHIA (AP)—Hurricane Diane, which is expected to strike the Virginia coast tonight, will bring heavy rain and strong winds to the Philadelphia area.

Expected To Enter Carolinas Tonight Or Early Tomorrow

Virginia Capes Are Placed On Alert; Winds Reduced From 115 To 110 M.P.H. Off Myrtle Beach, S. C.

CHARLESTON, S. C. (AP)—Hurricane Diane, her intensity and forward movement slightly diminished, but still dangerous, drove menacingly toward the Carolina coast today.

Jersey Takes Second Step In Water Program

Assembly Receives Bill To Set Up Board Of Supervisors

WFO Philadelphia/Mount Holly NJ

Weather
28-31 Tonight, Showers Thursday
Temperature
74 to 82
7 to 10
7 to 10
7 to 10

EASTON EXPRESS

HOME EDITION

100TH YEAR, NO. 242 36 PAGES EASTON, PA., WEDNESDAY, AUGUST 17, 1935 36 PAGES FIVE CENTS

Diane Hits North Carolina At Spot Connie Struck

Yosko Issues Challenge To GOP To Help At Hearings

Republican Asserts He Attended But 'Didn't Learn Anything' New About Budget Problem

HARRISBURG (AP)—Sen. Joseph J. Yosko (D., Pennsylvania) today challenged Republican Senators to get off their high horses and attend the Democratic budget hearings to "learn the facts of the case."

Yosko said he had attended the Republican committee, and the Republican members don't "know very much about the facts of the case."

The committee, according to Yosko, is "a bunch of men who do not know the facts of the case and who are not interested in the budget problem."

Yosko said he had attended the Democratic hearings and that he had learned a great deal about the budget problem.

Continued On Page 2, Col. 6

3 Score And 42



Donato Romano, of 1518 Butler St., works in his garden at his home. He'll be 102 years old tomorrow.

Wilson Man Won Fight For Life 40 Years Ago; He'll Be 102 Tomorrow

Forty years ago Donato Romano, 62 years old, lay critically ill in a bed at the old Easton Hospital. Doctors feared for his life. Romano had suffered a fractured skull when a lapboard piece of shingles had landed on his head while he was at work in a quarry in the Bangor area.

For the time being Romano, who is now 102 years old, has had a very good recovery. He is now able to walk and to do his own work in his garden.

Continued On Page 2, Col. 6

Veteran Actor Says He Once Carried Red Party Card

George Hall Names Six Others As Ex-Members In Testimony Before Walter Committee

NEW YORK (AP)—Actor George Hall today testified he once was a card-carrying Communist party member and named six actors he said were members with him in the "midwest branch" of the party.

Hall told the House Un-American Activities committee he was a member of the Communist party in the midwest branch of the party from 1932 to 1934.

Hall named six other actors as ex-members of the party: Charles Bickford, Charles Coburn, Charles Clary, Charles Clary, Charles Clary, Charles Clary.

Continued On Page 2, Col. 6

Cause Of Eviction



Mrs. Mary Ellen Williams, of Pittsburgh, poses in her kitchen yesterday wearing her "shortie" pajamas. She says housing authority officials have ordered her to vacate because the women have recently while paying her rent.

American Officer Stunned By Roks In True Violence

Woman's 'Shortie' Is Involved In Eviction Notice

NEW YORK (AP)—An American officer was stunned by the violence of a woman's "shortie" when he was ordered to evict her from her apartment.

The woman, Mrs. Mary Ellen Williams, of Pittsburgh, was ordered to vacate her apartment because she had been found with her "shortie" in her apartment.

Continued On Page 2, Col. 6

Seen Entering Virginia Thursday, Traveling In Keystone West Of York

Storm Disintegrating, Losing Punch In Moving Inland; New Jersey Does Not Expect It To Cause Trouble

Completed From Wire Reports

Hurricane Diane struck the Carolina coast early today at the same spot Connie hit only five days ago. The storm is expected to enter northwestern Virginia early tomorrow, the Weather Bureau at the nation's capital said.

If Diane continues her present course, she will move through Pennsylvania on a path slightly west of where Connie struck. On Saturday the hurricane first hit York County in the Keystone State.

In making this prediction the Philadelphia Weather Bureau predicted rain and increasing winds tonight and tomorrow for Eastern Pennsylvania with clearing weather on Friday.

There is no expected to give New Jersey a bad time. The storm is expected to enter New Jersey on Friday.

Continued On Page 2, Col. 6

Penn State Head Says His Request Contains No Fat

Dr. Eisenhower Warns Cut Will Bring On Education Decline

HARRISBURG (AP)—Dr. W. A. Rorer, president of Pennsylvania State University, today said his request for a \$100,000 increase in the state budget for education contained no fat.

Rorer said that the state's education system was in a state of "dire straits" and that the state's education system was in a state of "dire straits."

Continued On Page 2, Col. 6

Bascom Giles Gets Prison On 2 Bribe Charges

He Enters Guilty Plea; Texas Already Under 'Deal' Sentence

DALLAS (AP)—Bascom Giles, 40, was sentenced to a year in prison today for two bribery charges.

Giles, who is a former state legislator, was found guilty of bribing two state officials to secure a contract for the state.

Continued On Page 2, Col. 6

Lieutenant Injured In Causeway Row Near NSNC Quarters

Wounded in Fight With Woman's 'Shortie'

NEW YORK (AP)—A lieutenant in the New York State National Guard was injured today in a fight with a woman's "shortie" near the quarters of the National Student Reliance Council.

The lieutenant, who is a member of the National Student Reliance Council, was injured when he was hit in the head by a "shortie" during a fight.

Continued On Page 2, Col. 6

Nebraska Police, Guardsmen End Revolt At Prison

Enter Cell Block With Shoot-To-Kill Order; 3 Convicts Hurt

LINCOLN, Neb., (AP)—A revolt of prisoners at the Nebraska State Penitentiary today ended with a shoot-to-kill order from the warden.

The warden, who is a member of the Nebraska State Penitentiary, ordered the guards to enter the cell block and shoot to kill any prisoners who were still in the cell block.

Continued On Page 2, Col. 6

WFO Philadelphia/Mount Holly NJ

ONE Says Reds Bagged Unarmed U. S. Plane In Korea

Streeter Is Appointed Acting Postmaster; To Take Oath On Monday

Assistant Postmaster General Hints Callahan Will Return To Assistant Postmaster Job; Acts After 'Kicked Around' He Returned

NORMAN A. AKRAM, assistant United States postmaster general, today said he had recommended James Lyle T. Streeter as acting postmaster of Easton.

Akram said he had recommended Streeter because he had been "kicked around" and he had returned to the job.

Continued On Page 2, Col. 6

Meyner Says Bill To Buy Round Valley Will Pass

Avers Bill Prepared To Buy Chimney Rock For Reservoir

EXPRESS TRIBUNE BUREAU

THEYRON, Pa., (AP)—Rep. James Meyner today said he believed a bill to buy Round Valley for a reservoir would pass.

Meyner said he had prepared a bill to buy Chimney Rock for a reservoir.

Continued On Page 2, Col. 6

Young Amputee Leaves Hospital



Larry Triple, 7, with feet of casted rock which was one of many signs given the blind, K.C. boy in a Bessie Watson, who read the boy's plight, shows Larry how to handle one of the signs.

Second Craft Searching For Wreckage Fired On By 'Friendly' AA Guns

Fate Of Captain And Lieutenant, Sole Two Aboard T-6 Trainer Knocked Down Over Demilitarized Zone, Remains Unknown

MUNSAN, Korea (UPI)—The United Nations Command today accused "friendly" Communists of firing on a second American plane searching for the wreckage of a downed plane.

The plane, a T-6 trainer, was shot down over the demilitarized zone that separates North and South Korea.

Continued On Page 2, Col. 6

Leader Praises MCC For Cutting Prices Of Mill

Milk Dealers To Fight Discounts Ordered In Pennsylvania

HARRISBURG (AP)—Gov. W. A. Rorer today praised the Milk Control Commission for cutting prices of milk.

Rorer said that the commission had done a "great job" of cutting prices.

Continued On Page 2, Col. 6

Milk Price War Threat Studied By Meyner, OMI

Only Rain Tomorrow In Pennsylvania Will Be In Form Of Scattered Showers; Jersey's 'Shore Feels Few Effects Of Hurricane

THEYRON, Pa., (AP)—Gov. James Meyner today said he had studied the threat of a milk price war.

Meyner said he had studied the threat of a milk price war.

Continued On Page 2, Col. 6

Diane Loses Big Kick, Yosko Promises Becomes Somewhat Wet, Windy In Visiting North

Only Rain Tomorrow In Pennsylvania Will Be In Form Of Scattered Showers; Jersey's 'Shore Feels Few Effects Of Hurricane

Completed From Wire Reports

Hurricane Diane lost its big kick today as it moved northward as just another somewhat wet and windy storm. Her present top speed had been adapted in a long trip through the Carolinas and Virginia.

As she moved toward West Virginia and Central Pennsylvania, her strongest winds were 40 m.p.h. The Weather Bureau said her winds would continue to diminish as she moved north.

Diane was expected to reach Pennsylvania tomorrow.

Continued On Page 2, Col. 6

Manson Refuses To Say Whether He Had Been Red

Actor Is 17th Of 18 Witnesses To Balk Before Walter

NEW YORK (AP)—Alvin Karpis today refused to say whether he had been a member of the Communist party.

Karpis, who is a member of the Karpis gang, was being questioned by the grand jury.

Continued On Page 2, Col. 6

Driver, 19, Killed In Truck Crash In Upper Bucks

Labor Unit Claims Following Among Employees Of City

PHILADELPHIA (AP)—A 19-year-old driver was killed today in a truck crash in the Upper Bucks section of Philadelphia.

The driver was killed when his truck crashed into a building.

Continued On Page 2, Col. 6

Weatherman's Eye On Easterly Wave Near Puerto Rico

Forecasters Watch For Storm

WASHINGTON (AP)—Weather forecasters today were watching for an Easterly wave near Puerto Rico.

The wave is expected to move northward.

Continued On Page 2, Col. 6

Bulletins

Continued On Page 2, Col. 6

WFO Philadelphia/Mount Holly NJ

Record Crest Due At 9 P.M.

Actual Crest occurred between 9 and 10 P.M.

Four Dead, Power Cut, Spans Out

Airlift Rescues Campers In Area Of Port Jervis

7.07 Inches Of Rain In Upper Delaware Hub In 24 Hours

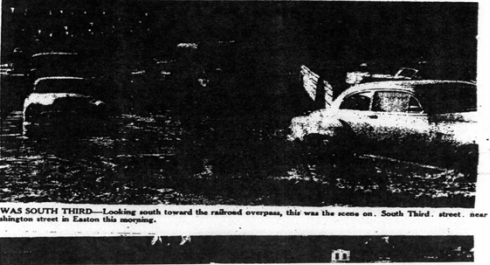
PORT JERVIS, N.Y. (AP)—The record-breaking rain in the upper Delaware basin today was expected to bring heavy flooding and power outages.

A member from Newark, N.J., was rescued by an airlift today after being stranded for several hours on a highway which had been cut off by rising water.

The rescue was accomplished by a Sikorski HO4S helicopter which was flown to the area by the U.S. Coast Guard.



SCENE AT NORTHAMPTON Street in Easton



THIS WAS SOUTH THIRD.—Looking south toward the railroad overpass, this was the scene on South Third street near Washington street in Easton this morning.

At least four persons were dead and hundreds were homeless in the Easton-Philadelphia area today as the raging Delaware and Lohan rivers roiled on in what was expected to be the most devastating flood in this region's history.

The Delaware, 10 feet above flood stage shortly before noon, was expected to continue rising until 9 o'clock tonight. It appeared certain that the Northampton street bridge would be submerged. The bridge was closed to traffic this morning.

Most smaller streams swelled to a percentage last night and this morning from heavy rains in watershed areas. Monroe County was especially hard hit. The creek, however, was back to normal today. The Port Jervis Lehigh was backing the Delaware up in Easton today. Bankfull Creek, which had the most damaging flood, was being backed by the Delaware into portions of Easton town, Easton at midday.

Many residents of low-lying areas had to be evacuated by Red Cross and other agencies. Industries, notably railroads, utilities and manufacturing plants along the river or creek banks, were flooded.

One of the largest evacuations took up to 50 persons in 15 families from Thomas Island in the Delaware near Manunka Chock.

Among industries shut down was Lehigh, Inc., at West Easton. Frank Shumann, board chairman of Lehigh, described the flood as "the highest ever."

He said the river buried the measuring gauge which usually stands above high water.

Along spring creek, the several inches to be a seasonal sea, however, it was more than 10 feet above the normal level.

The immediate Easton bridge was closed to traffic. The Delaware bridge was closed to traffic. The bridge was closed to traffic. The bridge was closed to traffic.

WFO Philadelphia/Mount Holly NJ

80 In Area Feared Dead In Flood

78 Known Dead Or Missing In The Stroudsburgs

Nearly 78 persons were known dead or missing in the area of Stroudsburg and East Stroudsburg today.

Twelve persons were dead or missing in Barrett Township. Two children and two adults were killed in Cresco. Eight were missing in the township. The dead and missing were not identified.

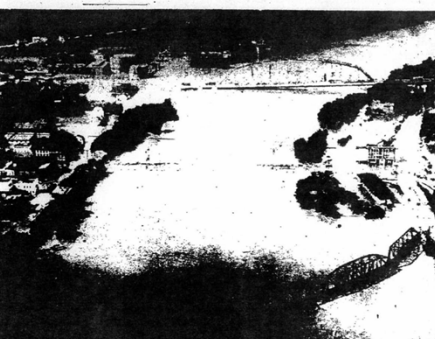
Of the known dead, 29 were drowned in their homes or on the streets in one section of East Stroudsburg. A large number of the victims were children who had been attending a summer camp at Anasimok, four miles north of Stroudsburg.

The two who died in Stroudsburg were identified as Leonard 17 and his brother, Warren 16, of Stroudsburg. Their bodies were found in the wreckage of a residence behind them when they were washed away by floodwaters. The bodies were found on the main street.

The dead in East Stroudsburg included a 4-year-old girl, Mary, who was killed by the floodwaters as she tried to cross a bridge over the Delaware River. The body was found in the wreckage of a residence behind them when they were washed away by floodwaters.

Early estimates placed the number of persons who were missing at 78. The number of persons who were missing at 78.

The bodies of 78 persons were found in the wreckage of a residence behind them when they were washed away by floodwaters. The bodies were found in the wreckage of a residence behind them when they were washed away by floodwaters.



BRIDGE AWASH—Aerial view of Northampton Street bridge, center, as water laps across the roadway.

Receding Water Leaves Ruin In River Valleys

The deceivingly beautiful Delaware River and her tributaries have a few more to reveal today after receding death, ruin and destruction through the flood valleys of eastern Pennsylvania and western New Jersey.

Nearly 30 persons were known dead in the wake of the most disastrous flood this region has ever known.

In addition, more than 100 were reported missing. Most were presumed drowned. Many were thought to have been taken by a rising water.

The unexpected flood, brought on by torrential rains in the headwaters of the Delaware and Lohan rivers, receded here through a 100-mile area of Pennsylvania and New Jersey.

The reported loss of life mounted tonight.

Damage was measured in millions.

The toll of death was staggering in Stroudsburg, East Stroudsburg and Cresco. Elsewhere the body of a woman was washed ashore by the Delaware at Manunka Chock, north of Bethlehem. It remained unidentified today.

A man was missing north of Easton.

Two persons—or the bodies of two persons—reportedly were carried downstream from Bethlehem last night.

There were scattered and unaccounted reports of children and missing persons throughout the Easton-Philadelphia area, across to Port Jervis, N.Y., and south past Philadelphia, Milford, Frenchtown, and New Hope.

Until the downpours came that ended a month-long drought in 1953 flood was counted as the one that brought most water flowing past Easton into the Delaware Bay and the Atlantic Ocean. But the August deluge was the water from the viewpoint of lives lost, damage done, households evacuated, business and industry shut down and real estate and goods damaged and destroyed.

Railroads, business houses, factories, bus lines, bridges, utilities, police, rescue squads, National Guard units, Civil Defense personnel and the ordinary citizen seek a hearing that will be long remembered.

Most damage to property was done by the waters of the Delaware River.

But it was Broadhead Creek in the Poconos that started the greatest toll in lives. The Lehigh River, Bankfull Creek and other smaller streams contributed heavily to the havoc and ruin.

Power failures and the cutting of telephone service added to the difficulty of rescue work and the maintenance of services. Storms were feared to shut down as interstate was darkened in mid-day.

WFO Philadelphia/Mount Holly NJ

Temperature
5 a. m. 71
10 a. m. 72
5 p. m. 70

EASTON EXPRESS HOME EDITION

The Associated Press, AP Wirephoto, United Press and International News Service

100TH YEAR, NO. 246 86 PAGES EASTON, PA., MONDAY, AUGUST 22, 1955 86 PAGES FIVE CENTS

Twin-City Link Is Broken



Ripped asunder by the Delaware Valley's worst flood, the 60-year-old free bridge, joining Northampton street in Easton to Union Square in Phillipsburg stands, with wreckage of the bridge floor dangling in midstream. In the background is the undamaged toll bridge. Twenty-five miles now separates the two toll-free bridges closest to Easton.

Era Ends On The Delaware



A photograph taken from an airplane is the epitaph for a lady whose life began during the first administration of President Andrew Jackson, a horseman. Here the Delaware sweeps past what is left of the Portland-Columbia covered bridge, started in 1821, completed in 1829, destroyed by the Delaware in 1955.

Stroudsburg Writer Describes Tragedy

Rescue Workers Marvel At Woman Who Lost Son, Girl, Mother, 4 Others Viewed Grim Death Drama

West Paterson Woman Tells How Son, 5, Was Torn From Arms. Last Time She Saw Girl, 9; Helps Others To Identify Bodies

By EDWARD L. HENNETT
Lenses Focus East Flood

WFO Philadelphia/Mount Holly NJ

Death, Destruction Cast Shadow Over River Valley

The toll of known dead in the Delaware Valley's worst flood soared 59 today. The figures did not convey the enormity of the tragedy. It was feared that many others lay buried under mud and wreckage.

Scores of persons were missing. Many rescue workers in Monroe County believed the death toll would rise to 100 and beyond.

The Pocono region, which accounted for most of the cost and damage to property, escaped straight or narrow from the onslaught.

Power and water services were ignored in Stroudsburg.

The first important bridge was ripped from its supports at Brookhead Creek at Anokim's, west of the Gandy Davis dam. The hole in the Dutch main under south of Stroudsburg was 25 to 30 feet deep, 12 inches and pavement deep. Nine of the 46 who were at the camp are known to have survived.

Express Urges Governors Act To Get Span


The Express has urged the governors of Pennsylvania, New Jersey, Delaware and Maryland to act on the Delaware Valley's worst flood.

J. D. Braddock, president of the Eastern Pennsylvania Co., urged the Pennsylvania State Board of Transportation to act on the Delaware Valley's worst flood.

The Express has urged the governors of Pennsylvania, New Jersey, Delaware and Maryland to act on the Delaware Valley's worst flood.

Known Dead In Monroe 64; May Hit 100

Many 'Unaccounted For,' 9 Of 46 At Camp Davis Saved; 12 Still Missing



Bridge Washout over the Brodhead Creek between Stroudsburg and East Stroudsburg

WFO Philadelphia/Mount Holly NJ

Shore Resorts
Alerted on Storm

Continued From First Page

storm, the local Weather Bureau reported.
Henry P. Acams, chief meteorologist here, said it was too early to tell what effect the hurricane would have on this area, but whatever Diane may have in store for Pennsylvania should start to develop late tonight or tomorrow.

HEAVY RAINS LIKELY

Adams said that if the storm moves inland, as Connie did last week, the area is likely to get heavy rains, but not too much winds.
Occasional and easterly winds increasing to 25 miles an hour were forecast for today. Heavier rain should develop late tonight or tomorrow, depending on the course and pace of the hurricane.

AREA GETS SHOWERS

Brief but heavy showers fell in various sections of the Philadelphia area yesterday afternoon. Light showers were reported elsewhere in the city and suburbs.

In Delaware township, N. J., a downpour caused flash-flooding of some highways, slowing vehicular traffic.
Although temperatures remained in the 80s, high humidity made weather conditions oppressive. The mercury reached a high of 85. The relative humidity at this point was a sticky 65 percent.

HUMIDITY TO STICK

Slightly cooler temperatures were expected today. A high reading of 81 was forecast for this afternoon, with an overnight low of 75. However, the Weather Bureau said little comfort would be derived from the temperature drop because the humidity would continue at muggy levels.

Cloudiness kept the temperatures more moderate in this area. Readings in the 90s were reported in New England and the Middle West.



Map locates Hurricane Diane as she drives on the Carolina coast. Arrows extending from eye of Diane show how winds extend to north and east. Hurricane warnings are up north of Wilmington, N. C., to Cape Hatteras, N. C. Diane now is some 115 miles southeast of Myrtle Beach, S. C.

WFO Philadelphia/Mount Holly NJ

The Philadelphia Inquirer FINAL CITY EDITION

Public Ledger and True Press

THURSDAY MORNING, AUGUST 18, 1955

127th Year

Copyright, 1955, by True Press, Inc.

WFL-TV CH. 6

FIVE CENTS

Tired Diane Puffs Way Into Virginia

Loses Hurricane Title; Heavy Rain Hits Phila. Area

Illustrated on Page 2

REIMOND, Va., Aug. 18 (Thursday) (AP)—Wes and westward Diane, once a hurricane but now only an overgrown storm, swept into south central Virginia early today getting weaker by the hour in her overnight journey after eight force days at sea.

Bolled her in her trip southward from the Caroline sea once powerful the MPH show left only minor damage—most of it from higher than usual tides which flooded sections of towns in northeast North Carolina and raise which hitland tobacco and were crop had hit by Hurricane Connie had week.

HEAVY DOWNPOUR HERE

Cloudy, with occasional rain, was forecast for Philadelphia today. The Weather Bureau said the heaviest rain will be in the northward advance of Diane's cold front. The storm is expected to be over the city by 10 p.m. with a low of 72 to 74. Heavy showers are expected to be heavy showers.

NO HURRICANE NOW

The Washington Weather Bureau stopped designating Diane as a hurricane at 10 p.m. Monday as it moved near Davisville in Virginia, yet, to its income tax reports during the last six years of his life and his failure to pay on it.

At that time the storm packed with a 20 to 30 mph within, with a 20 to 30 mph within, with a 20 to 30 mph within.

Adm. Arthur A. Burke (right) is congratulated by Adm. Robert B. Carney after being sworn in as Chief of Naval Operations at ceremonies at Naval Academy, Annapolis. Looking on (center) is Secretary of the Navy Charles S. Thomas. Carney is the retiring chief. Story on Page 2.

New Code Tells PWs to Defy Torture

May Never Face Trial, However If They Break

WASHINGTON, Aug. 17 (AP)—President Eisenhower today proclaimed a sweeping new code of conduct for American prisoners of war that calls on them to resist enemy torture to the utmost of their ability.

The explicit code does not guarantee them against loss of their break under torture and require military service. Gen. John E. Hill, vice chairman of the committee that drafted it, said such men might never be brought home.

The code, an outgrowth of Congressional action, is the first in a series of new training courses designed to help American prisoners resist enemy torture. The behavior and obligations of prisoners of war are outlined in the code.

In general, the code advises prisoners to resist all forms of military torture and the drafting, conscription and other forms of military service. It also states that prisoners should not be forced to give information or to perform any work that would aid the enemy.

The code stresses that prisoners of war should never be treated as slaves and that they should never be forced to perform any work that would aid the enemy.

New Mercantile Levy Hinted in Compromise 5-Point State Tax Plan

Hotel Bills, Soft Drinks Face Impost

By JOSEPH H. MILLER, Inquirer Staff Writer

HARRISBURG, Aug. 17.—Gov. George M. Leader, his Democratic legislative lieutenant and Republican Senate chiefs today were reported headed for a compromise five-point revenue program, with a mercantile tax as the key phase of the new money plan.

Other reports of the program would call for the imposition of a 2 percent levy on restaurant meals, exempt on soft drinks, a percent on hotel bills and on meals on telephone instruments.

REVENUE TAXES MONDAY

Although there was no final agreement on the program, there was less objection to the proposed taxes on the part of the Senate and the Legislature than to any other reports suggested.

Discussions will be resumed next Monday when the Governor meets with the bipartisan Senate Finance Committee's hearing on Com-

WFO Philadelphia/Mount Holly NJ

Philadelphia Inquirer - Thursday, August 18, 1955



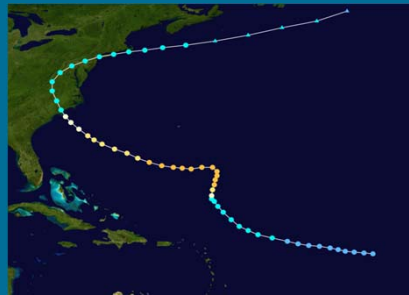
MAP SHOWS COURSE OF HURRICANE DIANE

WFO Philadelphia/Mount Holly NJ

Philadelphia Inquirer - Thursday, August 18, 1955



MAP SHOWS COURSE OF HURRICANE DIANE



Actual Path

WFO Philadelphia/Mount Holly NJ

THE WEATHER
U. S. Weather Bureau Forecast
Philadelphia and vicinity: Fairly cloudy and a little hot and quite humid. High today at 84. Low tonight 70. Fresh westerly winds 10 to 20 miles per hour today.

COMPLETE WEATHER DATA ON PAGE 12

July Circulation: Daily, 428,131; Sunday, 1,112,061. 127th Year **FRIDAY MORNING, AUGUST 19, 1955** Copyright, 1955, by Temple Publications, Inc., Vol. 22, No. 30

WFL-560 KC • WFL-TV CH. 6 FIVE CENTS

The Philadelphia Inquirer

An Independent Newspaper for All the People

Floods Spread Havoc in Phila. Area; Tamaqua Under Water; 8 Are Dead

2 Drownings Listed Here; 400 Marooned on Trains

Floods described as the worst to hit the area in recent years spread havoc throughout Philadelphia and Southeastern Pennsylvania last night and early today as the lashing tail of Hurricane Diane swept through with cloudburst force on its way northward.

The darkened streets of Tamaqua, turned into a shambles by as much as five feet of flood water, were being patrolled by two companies of the National Guard as officials there decreed a storm emergency after the Schuylkill overflowed its banks in the vicinity for the first time in 82 years. That river was expected to be four feet above flood level at the Fairmount Dam here this morning.

At least eight deaths on rain-slicked highways and in swollen streams of the area were attributed to the storm, which dumped as much as four inches of rain on some localities. The Weather Bureau report said 2.76 inches of rain fell in seven hours.

Washed-out bridges, landslides and swirling flood waters marooned travelers and cut the majority of main traffic arteries in the southeastern part of the State. Two Lackawanna Railroad trains were stranded by washed-out roadbeds in the Pocono Mountains, with some 400 passengers aboard.

Nearly half of the southern end of Potomac, also on the Schuylkill, was evacuated during the night as flood waters poured through low-lying residential streets. Allentown declared a flood alert as residents there watched the rampaging Lehigh River rise steadily higher.

A freak "twister" swept in mid-afternoon through upper Chester and Lower Berks counties, unroofing a number of homes in Honesdale, 12 miles west of Coatesville, and ripping the roofs off a foundry and several other industrial plants in Hamburg, Berks county.

The drenching downpour of rain, which began in the coal regions about noon and hit Philadelphia at 5 P. M., pushed every stream in the metropolitan area over its banks during the night, forcing the evacuation of hundreds of families from their homes both in the city and its suburbs.

Schuylkill on Rampage; Many A pictorial story of the torrential rains and flash
Police, Firemen Rescue 80 With

Red Air Attack Farmer's Truck Death **GOP Assembly**
Called Barbara Revealed as **Murder**

Schofield Legacy Faces U. S. Tieup
Federal Action Planned to Guard Huge Tax Claims

By JOSEPH H. TRACHTMAN
The Federal Government is preparing to file against the estate \$400,000 of the late Oronzio Pines Judge John Schofield. The Taxpayer Relief Act, passed last month, authorized the IRS to sue for the tax claims against the late Leonard II Schofield, leaving the lawyer principal heir.

Schofield, who stood to inherit approximately \$200,000 from Judge Pines' estate, failed to file a return during the last six years of his life on an annual income estimated at more than \$100,000, and for several years prior to that, failed to pay taxes on the income he did.

CARROLL V. S. MOVES
There is no Government plan to set an accounting of the Schofield estate revealed that Schofield, between Judge Pines' death last December and the time last month, withdrew \$100,000 from the estate and hid it in his own name. He also failed to pay taxes on the income he did.

Residents of Tamaqua stand helplessly by as floodwaters from the Schuylkill and Little Wabash Creek swirl down Broad st. in the business district. Water covered area to a depth of five feet.

WFO Philadelphia/Mount Holly NJ

THE WEATHER
U. S. Weather Bureau Forecast
Philadelphia and vicinity: Heavy and hot today. Fair and mild tonight. High temperature 85.

COMPLETE WEATHER DATA ON PAGE 12

July Circulation: Daily, 428,131; Sunday, 1,112,061. 127th Year **SATURDAY MORNING, AUGUST 20, 1955** Copyright, 1955, by Temple Publications, Inc., Vol. 22, No. 31

WFL-560 KC • WFL-TV CH. 6 FIVE CENTS

The Philadelphia Inquirer

An Independent Newspaper for All the People

Floods Kill 81, Loss in Billions; Penna., New England Battered

19 Die in Poconos Area, Many Towns Are Isolated

Here is the situation in the floods which killed a total of 81 persons and caused billions of dollars' damage along the Northeast seaboard yesterday:

PENNSYLVANIA—Thirty-eight dead and scores missing as the rain-swollen waters of the Delaware, Schuylkill, Lehigh and Lackawanna Rivers caused the worst flood damage in 32 years. Property loss estimated at hundreds of millions. Pocono Mountains vacation area hardest hit with 21 dead and scores missing. Delaware River expected to be five feet above flood stage here today. Gov. Leader asked President Eisenhower to declare devastated regions "major disaster areas."

NEW JERSEY—Four dead, eight missing in western parts of State as the Delaware River and its tributaries engulfed lowlands. Several hundred homeless.

NEW YORK—Many Catskill resort towns flooded. Port Jervis isolated and under emergency decree, with one drowned, 1200 homeless, and many bridges and roads washed out.

MASSACHUSETTS—Eleven dead, of whom six were drowned, two electrocuted, two killed in traffic accidents, as the heaviest rainfall in the State's history, 11 1/2 inches, was recorded. Gov. Christian Herter declared state of emergency.

CONNECTICUT—Gov. Abraham Ribicoff declared state of emergency as 25 were reported dead and scores of others missing. Ribicoff also told President Eisenhower by telegram that "we are faced with a major disaster."

RHODE ISLAND—One drowned, heavy property damage.

VIRGINIA—One drowned, one missing. Flood waters receding.

Stroudsburg Gas, Drinking Water Cut Off in Storm

The picture's story of the floods in Today's World on Page Three; List of Philadelphia area dead on Page 2; other related pictures and stories on Pages 2, 4, 5, 7.

85 Dead in Penna.; Governor Vows Disaster Areas

Death and destruction swept Eastern Pennsylvania yesterday as four major rivers burst over their banks and virtually crippled many upstate sections. There were at least 38 dead and 80 were missing as rain-flood

Special In The Inquirer
STRONDSBURG, Pa., Aug. 19—This city in the heart of the Pocono Mountains resort area and neighboring communities closed off and more than a score missing tonight after the worst flood in Monticchio history.

WFO Philadelphia/Mount Holly NJ

and tomorrow. High today at low tonight. No heavier tonight. 8 to 15 miles per hour today. COMPLETE WEATHER DATA ON PAGE 1.

PHILADELPHIA INQUIRER
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WEEKLY TV Programs In Colorgrave Section; Complete Radio—Page 16 of The Society Section

WFL-560 KC • WFL-TV CH. 6 FIFTEEN CENTS

Pocono Flood Deaths May Hit 85, 43 Are Swept Away at One Camp

Eight-State Toll Mounts to 143; New Disasters Hit New England



A soldier in a white t-shirt and a civilian telephone worker keep in touch with other rescue workers searching for flood victims in the Stroudsburg area. The bridge is one of those connecting Stroudsburg and East Stroudsburg which were wrecked by swollen Broadhead Creek. A truck lies in water.

Eight flood-ravaged northeastern States, listing 143 persons killed, reported these conditions:

PENNSYLVANIA—60 known dead in Pocono resort area, 26 others reported missing as Camp Davis was inundated. Death toll now 94 in State, total thousands homeless. Many towns in water; ruins. Utilities out. Scranton and Tamaqua, hard hit.

NEW JERSEY—Five dead. Governor declares State has suffered "a catastrophe" and appeals for Federal aid. Scores of communities stricken. Thousands evacuated. Water roots 1000 in Trenton.

CONNECTICUT—43 dead. Damage estimated in billions. State of emergency declared, with hundreds of evacuees from flooded homes faced with major health hazards. Litchfield, Torrington, Waterbury, with 70 missing; Winsted, Ansonia, Seymour, Naugatuck and Putnam disabled by rampaging Naugatuck River.

MASSACHUSETTS—13 dead, several missing. State-wide mop-up begins. Emergency kitchens set up to feed thousands of homeless.

RHODE ISLAND—One dead. Emergency declared. Blackstone River floods Woonsocket, State's third largest city of 50,000 population.

VIRGINIA—Three dead, 120 families driven from homes. Bad spots over as waters recede.

MARYLAND—Overflowing Potomac floods Point of Rocks, forcing evacuation of 10 families.

NEW YORK—Four dead. Thousands return to flood-torn homes. Fort Jervis a disaster area.

Other flood pictures and related stories on Pages 2, 3, 4, 5, 7, 8, 9, 14, 15

Explosions, Broken Dams Add to Woes

HARTFORD, Conn., Aug. 20 (AP)—New disasters struck today in three New England States where floods.

Explosions, bucking bridges and explosions swept new havoc in Massachusetts, Connecticut and Rhode Island. Damage was estimated in the billions.

Thousands of families were homeless. Others were stranded without food and water for many children.

MAJOR DISASTER AREAS
President Eisenhower

'There Were About 40 of Us' Mother Tells of Fears, Prayers at Camp Davis

This is the dramatic story of the disaster at Camp Davis in the Poconos. It was told to Edward J. Hesse, Inquirer reporter, by Mrs. Jennie Johnson, 44-year-old street City Heights, from her bed in Monroe County General Hospital.

By MRS. RENEE JOHNSON
Copyright, 1955, The Philadelphia Inquirer

RHODE ISLAND, Pa., Aug. 20 (AP)—There were about 40 of us. Most were children, including my daughter, Nancy, 18, and my two boys, Roy, 14, and David, 10. We were spending a five-week vacation at Camp Davis.

Just about sunset Thursday we took a walk down a Broadhead Creek to see if the water was rising. It was rushing and

Raging Tide Is Slowly Subsiding

By EDWARD J. HESSE
Inquirer Reporter

RHODE ISLAND, Pa., Aug. 20 (AP)—More than 40 persons were known dead and 26 missing and presumed dead when the flood and destroyed Pocono Mountains area as the water of the slowly subsiding after the most disastrous flood in its tributaries since the Civil War.

The area's dead included 17 of the 42 persons known to have been spending their days at a private resort camp on main north of the river, when it was swelled to the

-3-

Except for headwater areas where severe flooding was reported even before the heavy rain was over the warnings were accurate and as timely as was possible with such a rapidly moving crest. As mentioned above the damaging rains occurred on the evening of the 18th and the last station on the Delaware, Trenton, New Jersey crest at 0700 August the 20th. Great forecasts as issued for the Reading River District required no revision and verified almost as released. The same was true on the Delaware with the exception of Easton which had to be revised upward. The Easton crest as determined by high water marks is about two or three feet higher than seems logical from reported stages above and below that point. The only apparent explanation is that backwater effects from the Lehigh departed considerable from past records. Revisions were necessary on the Lehigh River forecasts. This was necessary partially due to continued rainfall in that basin after the first forecasts were released. Further revisions were issued for downstream point by the Allentown River District. The stage forecasts plus the preliminary warning of record or near record flooding permitted the removal of much property in the path of the flood. No lives were lost on the Lehigh River because of this flood.

August was the first month in which forecasts were issued for the Delaware River District Offices since the F-SPTS took over that responsibility. In spite of all the complications arising out of such a disaster flood the cooperation given by the river district offices at Philadelphia, Allentown, and Reading was most helpful and very much appreciated.

Since this was our first experience in working with the State Civil Defense on such a large scale we would like to mention some of the very excellent help afforded this office by Doctor Richard Gerstell, State Director of Civil Defense, and his staff. A public news bulletin was released on the potential danger of this storm on the morning of August 17th. The twenty-one counties of eastern Pennsylvania were thought to be most vulnerable so Doctor Gerstell called every county director in those counties and alerted them for possible severe flooding with the passage of the storm. When flood forecasts were issued the local civil defense people went into action and with the help of local authorities, went from door to door with the flood warnings in some areas. It was almost completely through the efforts of Civil Defense authorities that evacuation of some 600, boy and girl scouts was accomplished from islands in the Delaware. This office had no way of knowing what the forecast stages meant in terms of the islands so at our request someone was dispatched to the bank of the Delaware with portable radio equipment to estimate the additional rise necessary to cover the island and to report back the rate of rise of the river to Philadelphia, the river district responsible, and to our office here. There is no way of knowing the number of lives saved by the action of the State Civil Defense. We were completely sold on the actions and the future potential of such an organization in helping to effectively disseminate flood warnings.

Harrisburg RFC Staff Notes for August 1955

Courtesy:
Kevin Hlywiak, MARFC

WFO Philadelphia/Mount Holly NJ

Thousands Saved by Timely Flood Warnings

IMMEDIATELY after the August floods in the Northeast United States, field parties of the Hydrologic Service Division visited the flooded areas to determine if everything possible had been done to save lives and property.

The public's appreciation has been expressed by press, radio and TV for the Weather Bureau's excellent job wherever there was coverage. The Harrisburg River Forecast Center did a particularly outstanding job. Pennsylvania was well warned except in some extreme headwaters areas, where local reporting and warning networks had not been established.

In New England the rain was heavier and the damage worse. Many areas were not covered by our service. Such places had to rely on their own interpretations of events as they developed locally.

They worked closely with our cooperative observers and with Civil Defense, state and local police, and other disaster agencies.

At Tamaqua, Pennsylvania, the cooperative observer noted heavy rain early afternoon of the 10th, but a swiftly rising creek kept him from reaching his gage. Before his phone failed he called the state police from his marooned home and told them how to make the observation and transmit it.

The previous morning, O. D. White of Harrisburg River Forecast Center had issued a widely disseminated warning that moderate to heavy rain was expected to fall on wet soil, and that while Diane's course was uncertain, severe flooding would occur along many streams.

Perhaps the two most striking examples of lives saved were cited by the Pennsylvania Director of Civil Defense: A thousand people watching the rising Delaware from a bridge were removed by our timely warning of a record-breaking stage that shortly afterward destroyed the bridge; six hundred child campers were saved

from islands in the Delaware—the last few by helicopter. It is not known how many millions of property damage were saved by our warnings, or how much more would have been saved by a more widespread service.

There were many instances of failure to heed warnings, and disaster in the possibility of the river rising higher than ever before. Police told of numerous cases where they could not evacuate people except by bodily force.

Photographs of the flood damage shown here illustrate the flood's magnitude. The flood did more than inundate; it wrecked, overturned, destroyed, and transposed blocks of buildings as well as bridges. In the town of Holyoke, Mass., the destruction was tremendous, but not the result of mere overflow; it was heavy rainfall roaring like temporary rivers down the streets. At Blandford, Mass., an observer said it was the first time she had seen a flood on top of a hill.

This is a flood with approximately a billion dollars' damage. The most complete and accurate warning system might have saved only a small percentage of it. The loss of life, however, can be reduced and even eliminated by education and a perfected warning system. The Central Office is rapidly formulating plans for this improvement.

Courtesy: Kevin Hlywiak, MARFC

SEPTEMBER 1955

143

WFO Philadelphia/Mount Holly NJ

THOUSANDS FLEE RAMPAGING DELAWARE; AR, LAND RESCUE UNITS SAVE MANY

Highway Repairs Started
Working around the clock since Thursday, more than 170 men of the Pennsylvania State Highway Department are engaged in repairing damage to highways caused by floods in Bucks county.

Lacey Park Youth Injured As Auto Crashes into Bike Companion Reported Uninjured
Two Lacey Park youth escaped serious injury last night when their 1951 Ford sedan was struck by a car driven by a Hattiesburg, Miss., driver who lost control on County Line and crashed into a tree.

Justice Lauded In Bucks
L. Louis Rubin, District Attorney, said Bucks county holds the state record for speedy and fair justice by its magistrates and Justices of the Peace.

Bucks County Damage From Flood Expected to Total Millions of Dollars
The great results of a Southwestern flood were included in the official report of the Flood Control and River Conservation Administration.

Monte Carlo Judge Warns Teenage Motorists
The state's new motor vehicle law will make use of a new device, known as the "Monte Carlo" device, which will be used to determine the guilt of teenage motorists.

Fatality Details Reported
The girl who died in Bucks county as a result of the flood, and it died in the nearby Pottsville area, the state and federal disaster relief agencies have announced.

Local Gals Eye-to-Eye On Fashion
The high standard of elegance of the Bucks County Civil Defense Council, headed by Mrs. C. O. Hart, is being maintained.

Pool to Open Minus Dues
The pool would be ready for the party of 100 persons, and the pool would be ready for the party of 100 persons.

Locale Tagged 'Stricken'
The damage in Bucks county as a result of the flood, and it died in the nearby Pottsville area, the state and federal disaster relief agencies have announced.

In Brief: U.S., World News
FRANK, Cal. — The White House today announced that the state of Texas is to be placed under federal control.

Registrars to Visit Area
The registrars will be visiting the area to determine the need for more registrars.

1,570,000 Homes Seen by 1960
The number of homes in the United States is expected to reach 1,570,000 by the year 1960.

WFO Philadelphia/Mount Holly NJ

Just Between Us
CD and Planning Should be Given More Emphasis

We talked this week of the good that has come out of the flood, as had as it was. Let's not, some more good to get out of today.

If the flood showed us anything in Bucks County, it pointed up the need for a more effectively organized and national Civil Defense organization and the need for better use of our land.

The Corps of Engineers, given a total free hand by the President, is being told of those areas of potential flood damage by the Army. Floods up the Atlantic coast will be a major problem. The Corps is now studying the Atlantic coast from Cape Cod to Florida, to see what possible damage from Edith is in waiting for a big river (Edith) to break through.

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The Daily Intelligencer

Bucks County's Oldest and Most Progressive Daily Newspaper

190TH YEAR — VOL. LXIX, NO. 410

FRIDAY AFTERNOON, AUGUST 26, 1955

2 Sections — 16 Pages

8 Cents Copy

★★★★★
Doylestown & Bucks County Edition
★★★★★

BUCKS FLOOD LOSS: \$16,838,000

Relief Sought By 1,200 New Storm Heading For Coast

American Red Cross Field workers today are petitioning the Federal Government for relief of the 1,200 flood victims in the back this day's flood.

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'Edith's' Threat Spurs Emergency Action

The threat of hurricane Edith, which is now being tracked by the National Weather Service, has spurred emergency action in Bucks County.

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Bridges Are not Included

Bucks County's flood loss was today estimated at the massive figure of \$16,838,000 by a special flood damage surveying committee appointed by Col. A. M. Hester, director of the Bucks County Civil Defense Council.

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They Worked to Help Others

'Delinquency' Said Under Par in Bucks

Bucks County's flood loss was today estimated at the massive figure of \$16,838,000 by a special flood damage surveying committee appointed by Col. A. M. Hester, director of the Bucks County Civil Defense Council.

Flood Homes To Be Given Chemical Aid

Flooded households in Bucks County will get added disaster protection and a clean-up bonus through distribution of a specially prepared sanitizing detergent and deodorant beginning today.

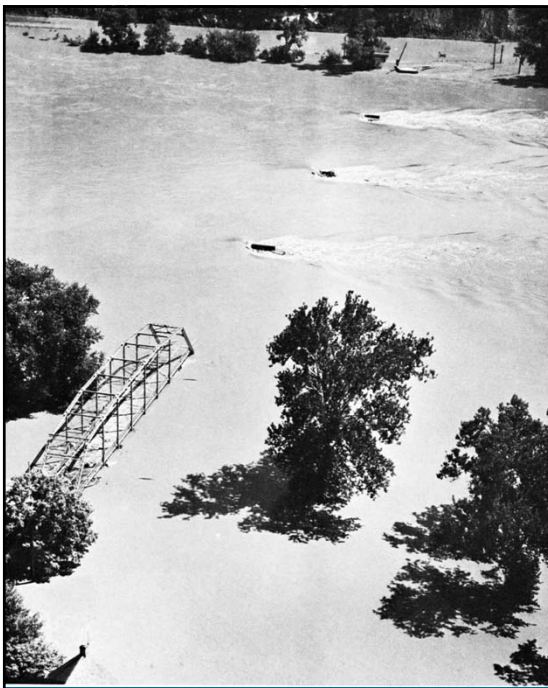
Crash Kills Man Near Quakertown

The estimated loss figure of \$16,838,000, now includes the loss of damage to bridges across the Delaware River by flood waters.

Flood Relief Fund Hits \$704.19

The Flood Relief Fund has today hit the \$704.19 mark.

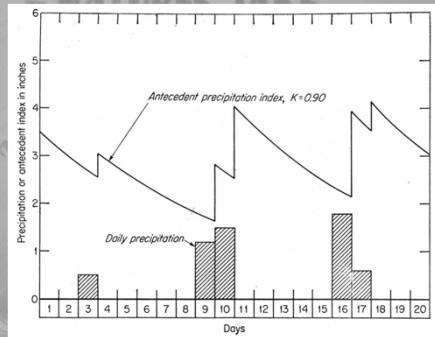
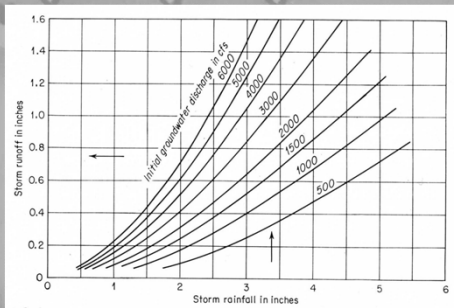
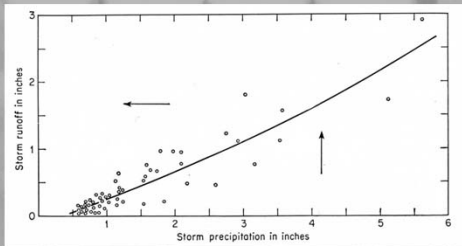
WFO Philadelphia/Mount Holly NJ



Bridge Washout over the Delaware River between Point Pleasant and Bryam

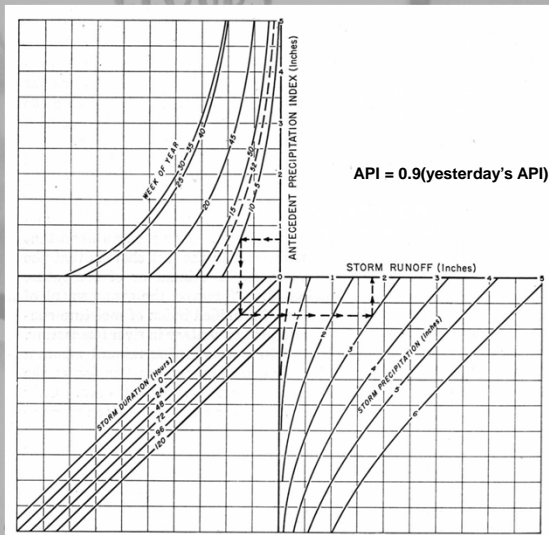
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Evolution of the Antecedent Precipitation Index Model at the National Weather Service



WFO Philadelphia/Mount Holly NJ

Antecedent Precipitation Index Model at the National Weather Service

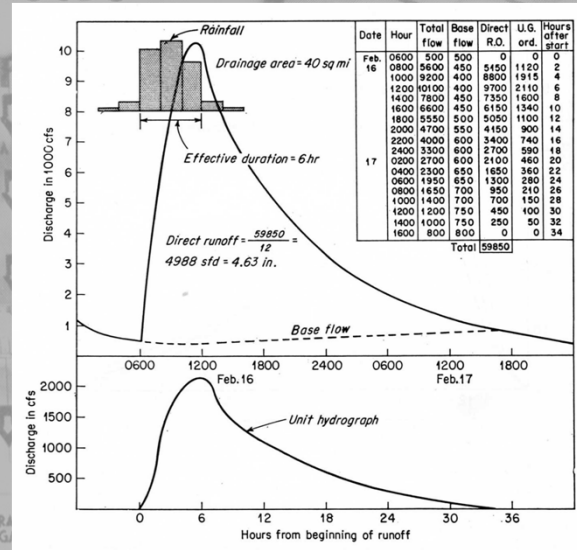


Discrete, time invariant, lumped, deterministic, non-linear model.

API (inches) correlated with time of the year (week number), storm duration (hours) and storm precipitation (hours) provides estimate of runoff from the watershed (inches)

WFO Philadelphia/Mount Holly NJ

Antecedent Precipitation Index Model at the National Weather Service



Runoff (inches) applied to Unit Hydrograph provides flow (cubic feet per second) at channel outlet

WFO Philadelphia/Mount Holly NJ

Streamflow Routing was Another Issue Altogether!

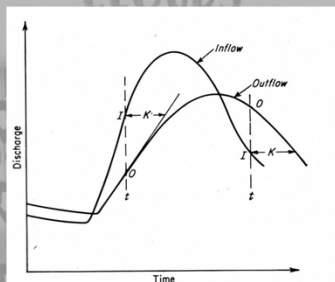


FIG. 10-14. Graphical determination of the storage factor K.

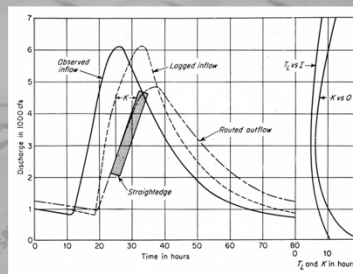


FIG. 10-17. Graphical flood routing with a variable lag and storage factor.

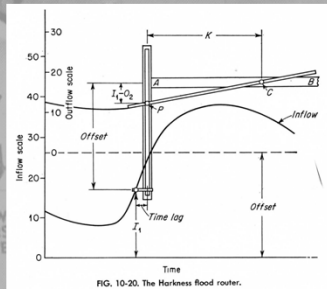


FIG. 10-20. The Harless flood router.

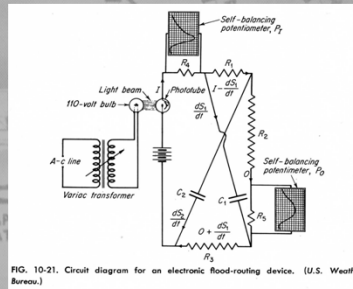
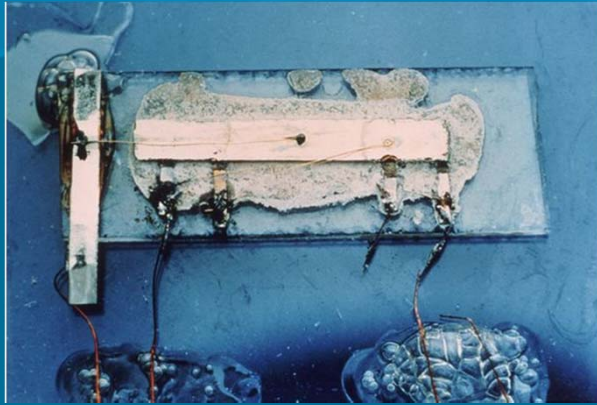


FIG. 10-21. Circuit diagram for an electronic flood-routing device. (U.S. Weather Bureau.)

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The first working Integrated Circuit, created by Jack Kilby in 1958. He won the 2000 Noble Prize in Physics for this work.

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And River Stage Readings were Another Matter!

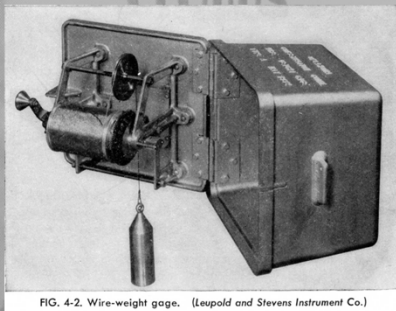


FIG. 4-2. Wire-weight gage. (Leopold and Stevens Instrument Co.)

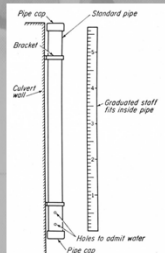


FIG. 4-5. Crest-stage gage used by the U.S. Geological Survey.

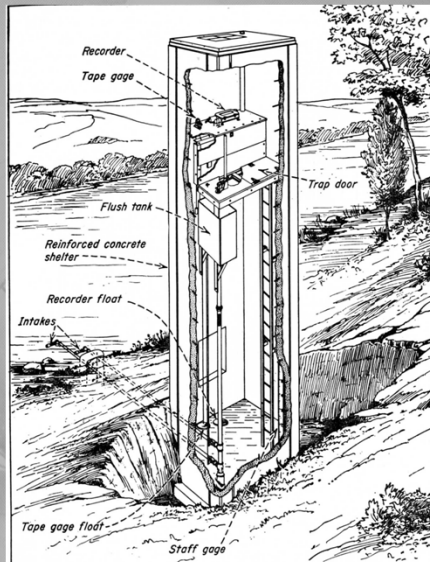
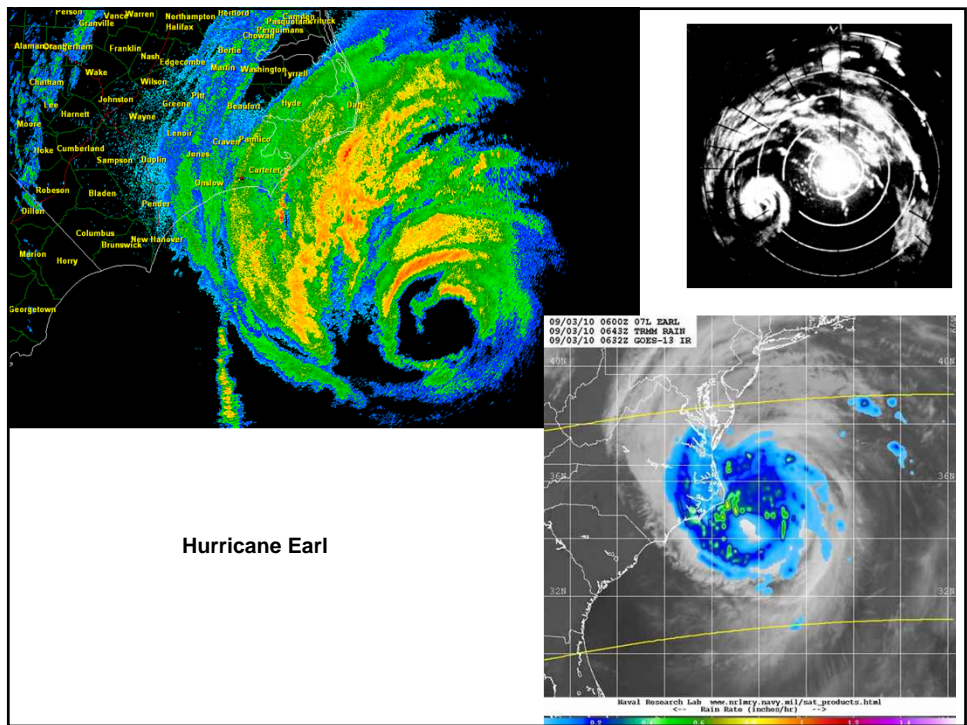
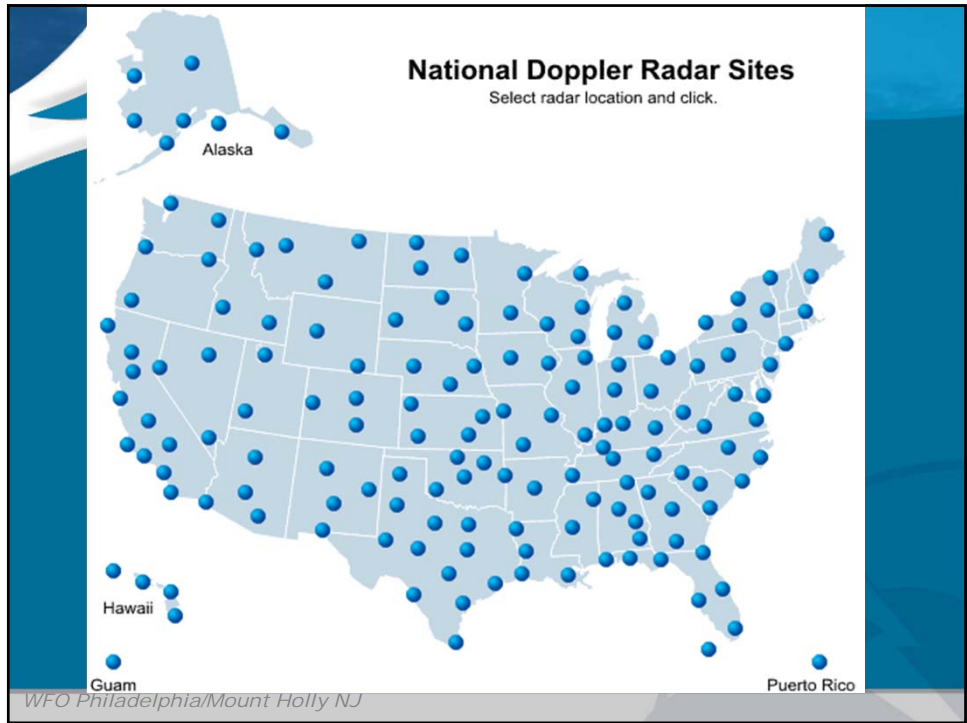


FIG. 4-4. A typical water-stage recorder installation. (U.S. Geological Survey.)

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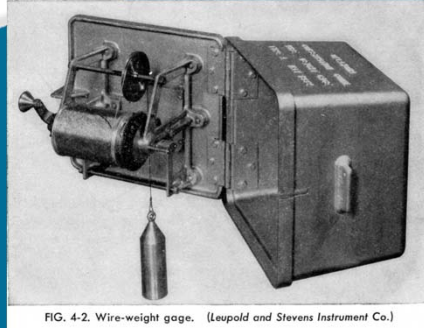


FIG. 4-2. Wire-weight gage. (Leupold and Stevens Instrument Co.)



Radar-operated river gages - DRJTBC

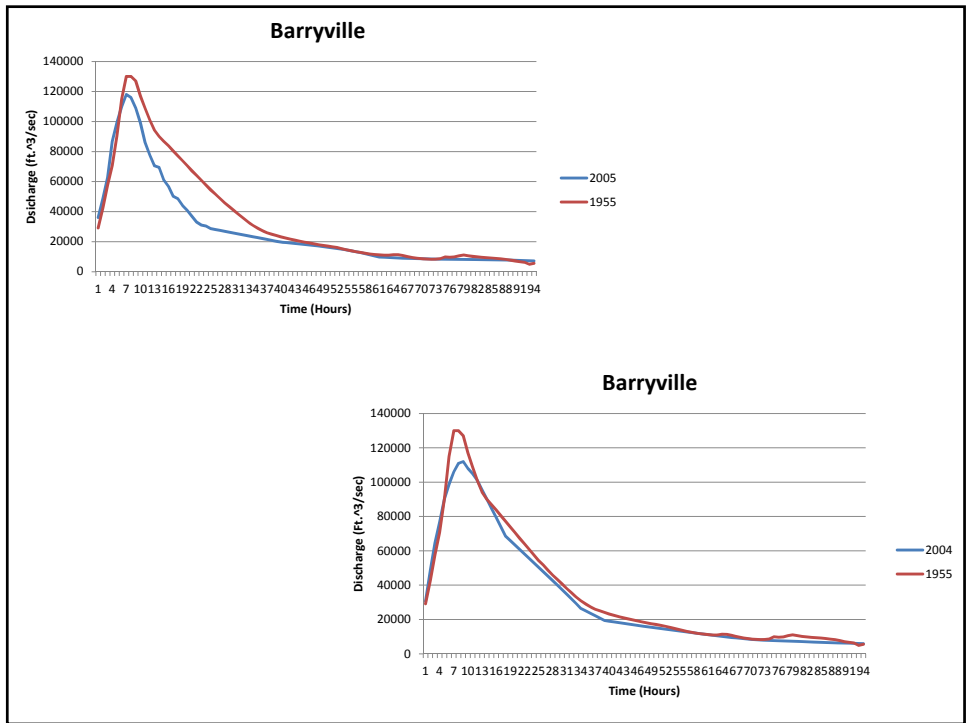
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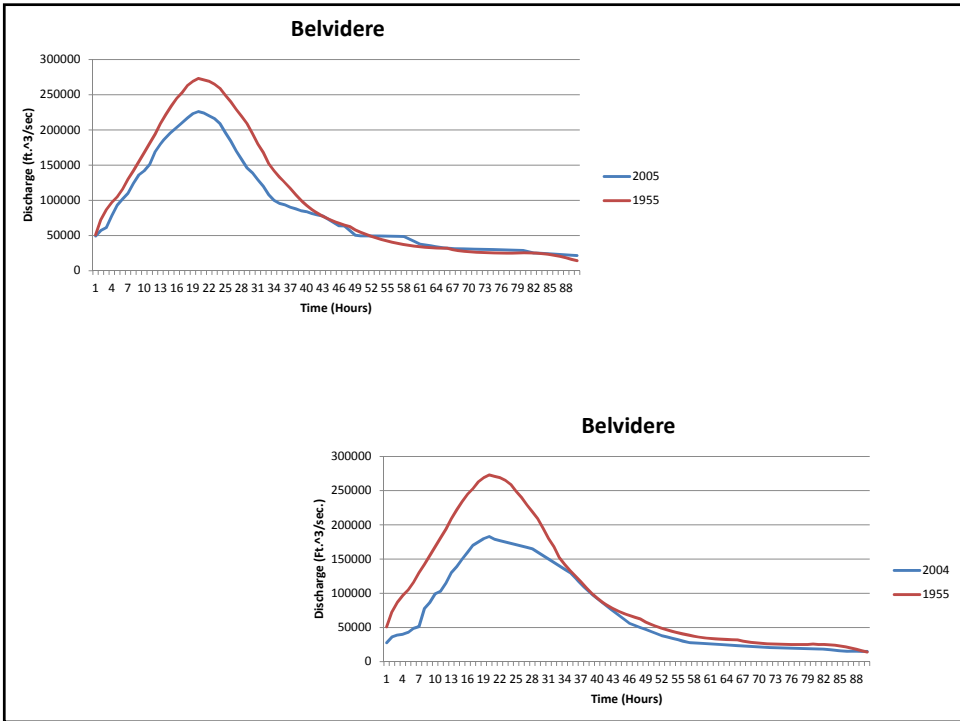
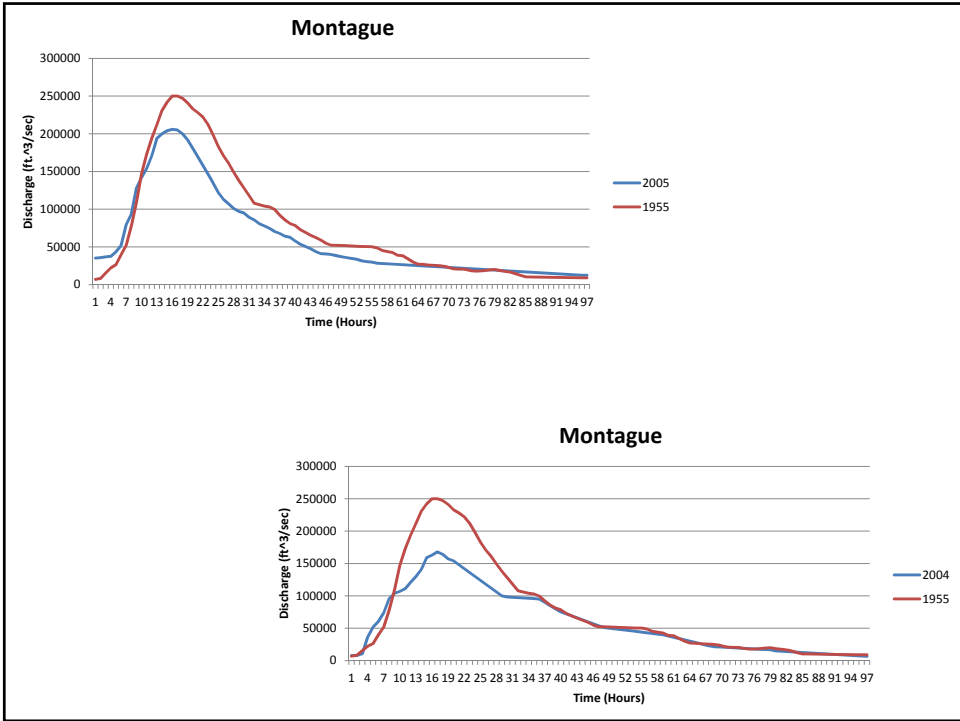


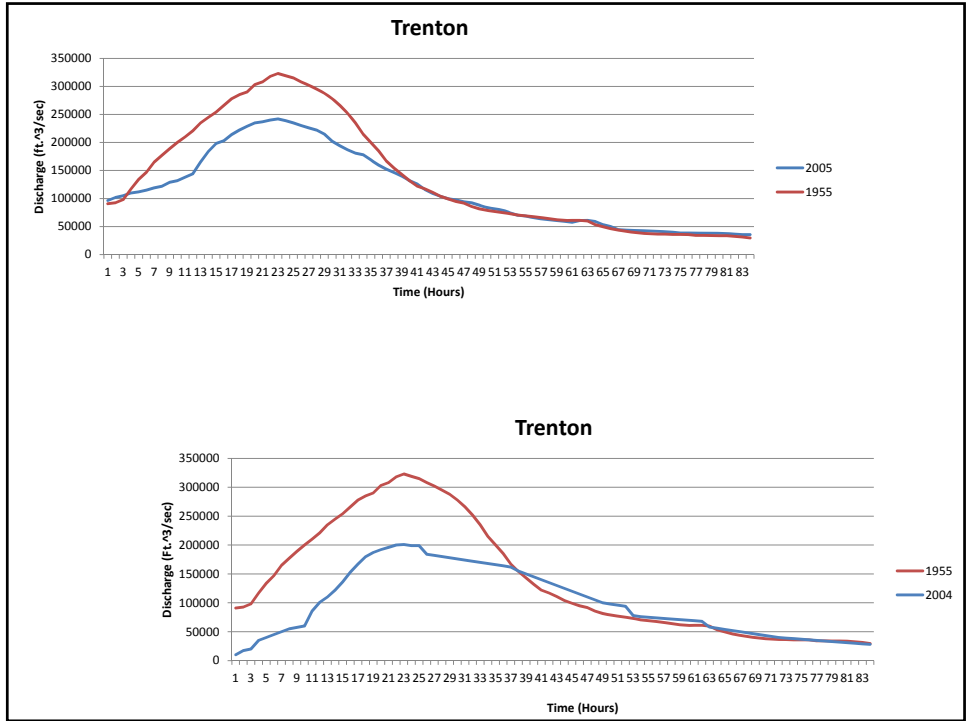
Of the 13 major reservoirs now "on-line" in the Delaware River Basin, only 4 were operational in August 1955:

- Mongaup System
- Lake Wallenpaupak
- Neversink Reservoir
- Pepacton Reservoir

WFO Philadelphia/Mount Holly NJ







**Harrisburg RFC Staff Notes
for August 1955**

←

Miscellaneous: Mr. Leslie F. Conover, Meteorologist in Charge left August 3rd to assume his new duties in radar meteorology at Coral Gables, Florida. A new Meteorologist in Charge is due to report some time in November. Mr. Walter Wilson and Mr. Don Baker from Hydrologic Services visited this office on August 23rd and again on their return from a survey of the flooded area on August 26th.

**Courtesy:
Kevin Hiywiak, MARFC**

WFO Philadelphia/Mount Holly NJ

