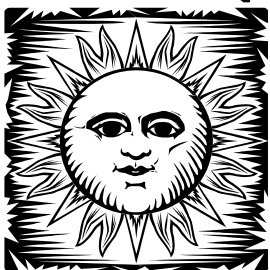


ACON MARYLAND / DELAWARE CHAPTER



# HEAVY RAINS HIT PARTS OF THE TWO STATE REGION

**H**eavy thunderstorms dumped torrential amounts of rainfall over portions of the area west of the Chesapeake Bay and north of Washington D.C. from the 17th to 20th. Twenty three observers reported 40 days with over 1" of rain during that period. Six of those events were over 3" of rainfall including one day with over 4". That observation was reported by Dan Hanson of Baltimore 4 SW. Much to Dan's luck, he was in Florida that day and did not witness the results. Kevin Shaw of Gaithersburg had two consecutive days 3" rainfall days, setting a stations record. The heavy rainfall caused numerous stream and urban flooding across the area.

There were six periods of rain spread fairly evenly throughout the month. They were the 4th-5th, 9th-12th, 14th, 17-20 (described above), 24th and 29th-30th. Precipitation during the first half of the month was normal or below normal

over most of the area.

**T**emperatures for the month averaged generally 1 to 2 degrees above normal. The month began with cool pleasant conditions. Temperatures fell to below 50 over much of the area

the first three days. Temperatures rose in to the 90's mid month but only to be followed by torrential rains. Seasonable cool weather with mostly clear blue skies returned to the area on

the 26th and 27th.

## WEATHER REMARKS FROM HAGERSTOWN

The following is from Greg Keefer records for the 18th and 19th.

**18th:** "Torrential rains from slow moving and severe thunderstorms this evening. Lightning and some rain began around 10PM but by 11PM the torrential rains began as storms developed overhead 1.93" fell by midnight also very sharp and almost continuous lightning."

**19th:** "Extremely heavy rains and severe lightning continued with another 2.00" by 12:35AM, 4.00" fell in 1.5 hours. Rains let up some at this point but still another 1.00" fell by 4:30 AM as heavy downpours continued off and on all night. The 4 inches that fell in the 95 minute period is the most I ever saw in such a short period of time. These rains of course caused very serious flash flooding all over the city and county. I've never seen so much wide spread flooding over so many areas from thunderstorms. The farther north and east you went the heavier the rains were, some areas reported 7 to 11 inches. A few more

showers during the morning brought the grand total up to 5.23".

### MONTHLY EXTREMES

- MAX TEMPERATURE**  
97 Millersburg 1 SE
- MIN TEMPERATURE**  
41 Parkton 5 SW
- WARMEST AVG TEMPERATURE**  
77.7 Baltimore 2 SE
- COOLEST AVG TEMPERATURE**  
68.1 Eagle Rock
- MAX DAY PRECIPITATION**  
4.28" Baltimore 4 SW
- MAX PRECIPITATION**  
10.83" Hagerstown 1 E
- MIN PRECIPITATION**  
3.14" NWS National Airport
- 3.15" Whaleyville
- MAX DAYS WITH >= 0.01" RAIN**  
15 Jug Bay Wetlands
- MAX DAYS WITH >= 1.00" RAIN**  
4 Hagerstown 1 E
- MAX DAYS WITH >= 3.00" RAIN**  
2 Gaithersburg 2 WNW

### Precipitation Records

- KEVIN SHAW** of Gaithersburg station all time monthly record rainfall of 10.07"
- JEFF TAYLOR** of Germantown 1.5W a June rainfall of 9.17".
- GREG KEEFER** of Hagerstown 1E Jan - Jun rain of 35.99"

**MORE OBSERVER DETAILS ON PAGE 2**

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# June 1996 Observer Monthly Highlights

COMPILED BY GARY GALLAHER FROM INFORMATION SUPPLIED BY OBSERVERS

## Dan Hanson of Baltimore 4 SW

The streak of months with above normal precipitation continued into June. Most of the rain for the month (nearly 7 inches) fell in only four days causing urban and small stream flooding, especially on the 19th. Unfortunately this weather observer was out of town for the entire week and missed all the excitement! The excessive rainfall has pushed the cumulative annual rainfall to over 30" which is more than 50% above normal. The rest of the month was rather uneventful with the exception of the severe weather near Washington D.C. on the 24th. The temperature averaged several degrees above normal despite all the rainfall.

## Marty Sharrow of Owings Mills

A dry first half of the month was followed by a rainy finish. Persistent rains from the 17th-20th caused the undermining of nearby train tracks which resulted in a train derailment.

## Joe Manfre of Baltimore 2 SE

Mostly normal temperatures but above normal precipitation.

## Bobby Miller of Millers 4 NE

Record 24 hour precipitation for June of 2.65" was set on the 19th. 1.5" fell in one hour. This June was the second wettest in 15 years of station history. Despite a wet month many storms missed this station.

## Rebecca Harvey of Eagle Rock

On the 8th between 1300 and 1530 2.55" of rain fell with hail observed at 1515.

## Paul Schlosser of Kingsville 1 S

Strong thunderstorm with hail the size of large marbles on the 4th.

## Stan Rossen of Glenmont 1 NNE

If you look at the month day-by-day it seems rather middling, but the averages and totals indicate the month was warm and wet. The key was persistence. There were 24 days with highs in the 80's, the most days for any frequency range in June. This was the third warmest June of 19 here and the third wettest June of 20 here. The 1995-96 snowfall season went into the record books as the snowest on record. Records were set for the most days with  $\geq 0.1$ " (23),  $\geq 1.0$ " (14), and  $\geq 3.0$ " (7).

## Kevin Shaw of Gaithersburg 2 WNW

June 1996 was quite a month, mostly on the precipitation side. Temperatures were a bit above normal. Moderately warm temperatures and the very wet conditions helped immeasurably in keeping my new backyard seed green and growing great all month. The mean temperature was 1.8 degrees above normal. The total rainfall of 10.07" set a monthly record not only for June, but for any month since records began in 1979. The old monthly record was 10.05" set in May 1988. During

approx. 50 hours from the 17th to the 19th 7.61" of rain fell, including 4.50" falling between 2230 on the 17th and 0300 on the 18th in an incredible night of stalled out convective activity. Localized flooding was widespread, with many roads closed in the county where the low spots / streams crossings wound up with several feet of water over their banks. The greatest calendar day fall of 3.11" on the 18th easily set a daily record. For the first time ever, on the following day, the 19th, another 3.01" fell, setting another daily record, and establishing what I believe is the first time I ever recorded two straight days with 3+ inches of rain.

## Jeff Taylor of Germantown 1.5 W

Between 2250 hrs on the 17th and 0030 hours on the 18th 3.40" of rain fell, including 1 1/2" in the half hour between 0000 and 0030 on the 18th. This was the wettest June on record here (9.17")

## Gary Gallaher of Bear 6 WSW DE

Another wet month. Rain fell on 8 of the first 12 days of the month. The first week was cool, the second and third weeks were warm and humid, and the last week temperatures averaged slightly below normal.

## Floyd Abell of Hollywood 2 N

Severe storm 7:05PM on the 24th produced 2" of rain and estimated wind of 70 MPH.

## John Zyla of Ridge

Thunderstorm between 7PM and 9PM on the 4th dumped 1.95" of rain. The daily total was 2.30". On the 22nd the temperature was 80 degrees at midnight.

## Greg Keefer of Hagerstown 1 E

This is the second wettest June on record with 10.83" of rain. The wettest is 11.57" in 1928. This is the wettest first 6 months on record with 35.99" of rain. This beat the old record of 29.69" set in 1972.

THIS MONTH WE WELCOME A NEW OBSERVER, MARLENE WALCHLI OF CALIFORNIA, LOCATED IN ST MARYS COUNTY. WELCOME MARLENE! WE LOOK FORWARD TO YOUR DATA EACH

IF YOU ARE NOT A MEMBER OF THE IWW, WHY NOT JOIN TODAY. DR JOE FRIDAY, THE NWS DIRECTOR, IS SCHEDULED TO BY OUR BANQUET SPEAKER AT OUR ANNUAL MEETING IN TAMPA. CONTACT KEVIN FOR DETAILS.