

QUEEN CITY WHEELMEN

NEWSLETTER APRIL 1984

ROLLER DEMO FOR HEART MINI-MARATHON SUCCESSFUL

Thanks to everyone who participated in this event. A special thanks to Don Bartholomew and Greg Hanfbauer and Channel 12 News who gave the QCW wonderful coverage. Thanks again to all who showed to help show-off the club and how big their "hearts" are. *THANKS.*

TIME TRIAL 1984 SEASON. The season opens on May 1, 1984. Volunteer timers are again needed to make this a "complete" season--one every week. Please help us make this weekly event work for you by volunteering to time for one session. The first rider starts at 6:30 pm. If you have any questions, contact the club at 244-7164.

RIDES FOR TRAINING AND FUN TIMES ON SUNDAYS IN THE MONTH OF APRIL. They will start at Campus Cyclery at 12:30 pm. Call Frederick at 761-1651. Also anyone interested in putting together a Masters Cycling Team, call same number.

OR YOU CAN GET SERIOUS...Jon Spicker, Jim Obert, and Tim Weber have been riding weekends and some weekdays all winter. They usually rendezvous at Solo Sports on Saturdays or Campus Cyclery on Sundays around noon. Catch them if you can. Or better yet ask one of them to let you know when their next training ride is. They're all hungry for fresh meat.

COORS INTERNATIONAL BICYCLE CLASSIC. You can call 800-525-0368 for reservations and information on the TourPak Program or further information on shorter-term housing in hotels and motels in Colorado. They are offering special air rates, etc. for this event. The address is Coors Classic TourPak, 1540 Lehigh Street, Boulder, CO 80303. **SCHEDULE:**

Friday, July 13	Boulder Prologue Event
Saturday, July 14	Boulder and Estes Park
Sunday, July 15	Golden to Copper Mountain
Monday, July 16	Vail
Tuesday, July 17	Grand Junction
Wednesday, July 18	Aspen
Thursday, July 19	Denver
Friday, July 20	Boulder area/Citizen Bike Rally and Cycleball Game
Saturday, July 21	Boulder
Sunday, July 22	Cheyenne, Wyoming to Denver

THE MIDWEST TRIATHLON RACING CIRCUIT.

April 29 - Bellbrook, OH - Bellbrook Biathlons: 7 mile run, 7 mile bike & 14 mile run, 21 mile bike. International Pro Bike Shop, 859 E. Franklin St., Centerville, OH 45459.

May 13 - Bellbrook, OH - Sugarcreek Triathlon: 6 mile canoe, 6 mile run, 19 mile bike. International Pro Bike Shop (above).

May 19 - Paducah, KY - Western Kentucky Biathlon: 56 Mile bike, 13.1 mile run. Joe Shane, PO 7464, Paducah, KY 42001.

June 3 - Corwin, OH - Gordon's Triathlon: 6 mile canoe, 6 mile run, 15 mile bike. G. Smallwood, 2417 Burning Tree Drive, Kettering OH 45440.

June 9 - Paducah, KY - Western Kentucky Triathlon: 1.5 mile swim, 26 mile bike, 6.2 mile run. (Joe Shane, above).

June 17 - Waynesville, OH - Triathlon at Caesars Creek: .6 mile swim, 25 mile bike, 10K run, 8 a.m. Beech House. George Snyder, 781 E. Rahn Road, Dayton OH 45429.

July 22 - Oregonia, OH - Beat the Heat Triathlon: 6 Mile Canoe, 18 mile bike, 5-1/2 mile run. International Pro Bike Shop (above).

August 18 - Paducah, KY - Western Kentucky Triathlon - 1.2 mile swim, 56 mile bike, 13.1 mile run. See May 19.

August 19 - Mt. Vernon, OH - AVTAL Triathlon - 1 km swim, 32 km bike, 9 km run. AVTAL, Box 613, Mt. Vernon, OH 43050.

August 26 - Dayton, OH - Triathlon. George Snyder (See June 7).

September 8 - Muncie, Indiana - Muncie Bud Light Endurathon: 1.2 mile swim, 56 mile bike, 13.1 mile run. Paul Porter, PO Box 2279, Muncie, IN 47302. Deadline Aug. 1.

October 7 - Bellbrook, OH - Bellbrook Triathlon: 6 mile canoe, 9.3 mile run, 22 mile bike. Pete DiSalvo, 2414 Ferry Road, Bellbrook, OH 45305.

OHIO BICYCLE RALLY date has been set for August 3 - 5, 1984. The Wayne Wheels and the Lake Erie Wheelers are finalizing plans for this year's Rally at Wooster College. More information when available.

1984 OLYMPIC TRIALS AND 7-ELEVEN BICYCLING MAGAZINE GRAND PRIX. Regional Competition: Saturday May 19 -- Northbrook, IL (Rain date: May 20)

Regional Qualifications for Grand Prix Finals:

Pursuit -- 1st and 2nd place automatically qualify.
Sprint -- 1st and 2nd place automatically qualify.
Points Race -- 1st and 2nd place automatically qualify.

Kilometer -- 1st automatically qualifies, 2nd qualifies if the national time standard is met (1:11.00)

(1) All qualifiers receive round-trip transportation to Colorado Springs; room and board during the Grand Prix FINALS.

(2) Any qualifier can ride choice of events at finals with the exception of the kilometer. Selected team pursuit candidates will be added to the kilometer final for qualification purposes.

(3) In order to receive expense allowances for the FINALS a cyclist must compete in the regional qualifications. Expenses are based on a racers hometown listed on their racing license.

(4) A cyclist's region race siter is designated by the state listed on his USCF license. (Ohio licensees must compete in Northbrook.)

FINAL SELECTION. July 6 - 7 7-Eleven Velodrome, Colorado Springs, CO.

Automatic Qualifiers:

(1) Fifteen racers named to the national team by the coaching staff at the end of 1983.

(2) Four regional racers selected by the coaching staff no later than five days following the completion of the regional events (may 31, 1984)

Olympic Team Qualifications Process --

Sprint -- 1st place automatically qualifies to rider in Olympic Games. 2nd place - alternate to Olympic team, member of Olympic long team.

Kilometer -- 1st Place automatically qualifies to ride in Olympic Games. 2nd place - alternate to Olympic team, member of Olympic long team.

Individual Purusit -- 1st place automatically qualifies to ride in Olympic Games. 2nd place - alternate to Olympic team, member of Olympic long team.

Points Race - First two places automatically qulify for Olympic long team. The final selection of points race competitor will take place at the national training camp following the Grand Prix FINALS.

Team Pursuit - The top eight accumulative times from team pursuit trials will qualify for the long team. The final team selections will take place at the national training camp following Grand Prix FINALS.

July 3 Racers arrive in Colorado Springs Track training time.

July 4 Racers register for events. Track training time.

July 5 9:00 am Team Pursuit Trials.
Flying 500 m
Flying 200 m x 3

July 6 9:00 am Sprint Qualifying (top 8)
Pursuit Qualifying (top 8)
7:30 pm Sprint Quarter Finals
Pursuit Quarter Finals
Kilometer Final

July 7 9:00 am Pursuit Semifinals
7:30 pm Sprint Semifinal and Final
Pursuit Semifinal and Final
Points Race Final

10:30 pm Reception

July 8 Non-qualifiers depart.

Team Pursuit Trials.

July 5 -- 9:00 a.m. Flying 500 m
Flying 200 m

July 6 -- 9:00 a.m. Individual Pursuit

July 6 -- 7:30 p.m. Kilometer

Top 8 accumulative times from team pursuit trials will qualify for the Olympic long team.

NEW TRAINING MANUAL. The 7-Eleven bicycling Magazine Grand Prix Training Manual II is now available for purchase. It is \$4.95 post paid. The new 144-page manual is packed with detailed information on equipment, tactics, diet and nutrition, weight training, racing rules and regulations. In addition, we've included lots of

photos to compliment the text. Mail to: GRAND PRIX TRAINING MANUAL, c/o Rodale Press Trade Sales Dept., 33 E. Minor Street, Emmaus, PA 18049.

HI TECH, HI \$ Cycle Commuting. Alex Moulton, the British designer whose original award-winning Moulton revolutionized small-wheel adult cycles 20 years ago, is back with a highly advanced version. Its Reynolds 531 multi-tubular space frame separates into 2 parts with a central kingpin and locking hook. 17 x 1-1/4 inch 90-pound tires cut small-wheel rolling resistance. Road shock is handled by a leading-link, adjustable-damping front suspension and a bonded rubber rear suspension. Low-slung front and rear carriers, bags and baskets look like extensions of the bike itself. Optional "frame skins" can enclose the frame adding both color and small-item storage.

The AM2 town bike version had a 2-speed automatic Fichtel and Sachs coaster brake hub. THE AM7 country bike offers a 7-speed derailleur, with cables that detach behind the head tube for take-apart. The Reynolds space frame and all-alloy components hold weight to 24 pounds in both models. This sophistication does not come cheap: the AM2's retail price will be about \$750, the AM7's around \$900.

WINTER TRAINING TIP. Stephen Kiesling, former Olympic rower, has changed his exercise bike into a video game.

Kiesling's technique: An inexpensive adapter he calls the Aerobics Joystick links any exercise bicycle to an auto-racing video game; the faster the bike is pedaled, the faster the game on the screen will move.

The joystick steers the bike. A magnet attached to the wheel affects the speed of the action on the screen. This spins past a sensor, which activates a timer switch that controls the speed of the game.

BICYCLE POSTERS AND PRINTS CATALOG. Bicycle Posters & Prints announces the publication of its second mail order catalog. The new brochure pictures 88 bicycle images in full color. The posters and prints portray the bicycle in many different ways, including Olympic bicycle racing, recreational cycling, turn of the century advertising and cycling on an antique high wheels. For a copy of the catalog send \$1.00 (deductible from first order) to Bicycle Posters & Prints, PO Box 7164, Hicksville, NY 11802.

CYCLING IN THE BIG APPLE. The number of cyclists in New York City has doubled to more than 2 million in the past 10 years.

City officials estimate that between 20,000 and 25,000 people now commute to work by bicycle--four times the number a decade ago. Also indicative of cycling's rise in popularity: American Youth Hostels' first 5-borough bike tour in 1976 drew only 17,344 participants--making it the world's largest bicycle tour.

Accidents involving cyclists have kept pace with the upsurge. The number of car-bike accidents jumped from 1917 in 1972 to 3931 in 1982. 1982 also saw 461 accidents involving bike rider and pedestrians.

New York opened the nation's first bicycle lane in Brooklyn in 1895 and now has almost 100 miles of bike lanes or paths in use. Long-term plans call for a 500-mile network of bike routes.

DATES TO REMEMBER: JOHN MARINO OPEN - MAY 19, 22, 1984. RACE ACROSS AMERICA - AUGUST 19-29, 1984.

SOUTH CAROLINA BICYCLE TOURING GUIDE. The South Carolina Bicycle Touring Guide is now available to the public. Published by the SCDept. of Parks, Recreation and Tourism (PRT) in cooperation with the Governor's Office of Highway Safety Programs, the guide is offered at no cost to cyclists planning a tour in or through the state. The 26-1/2 inch x 21 inch guide, which is both water and tear resistant is designed to be used with a state highway map and other materials.

One side of the guide features a map with six bicycle routes crisscrossing the state, three running north and south and three east and west. All routes have connectors so they may be ridden in their entirety for long trips or in portions for short one.

The other side contains a welcome message from Gov. Riley, a list of bicycle clubs in the state, rules and regulations on biking, safety tips, pictures and other information.

Funded by a grant from the Fed. Highway Adm., the guide is the final product of more than four years of work conducted by volunteer groups, bicycle clubs, PRT and the Gov. Office.

The state-wide, pre-tested bicycle routes cover more than 1,600 miles and are concentrated on secondary highways in an effort to avoid heavy traffic and urban areas.

Interested persons can receive a copy of the guide by writing to Recreation Division, PRT, Suite 110, 1205 Pendleton Street, Columbia, SC 29201 (telephone 758-7705).

PUGET SOUND REGION BICYCLE MAPS. Seattle, Washington. Eagle Eye Maps has just published the first in a series of maps for bicyclists in the Puget Sound region. The "Bicyclist's Map of the San Juan Islands" is an up to date road map of the islands. It includes suggested bike routes, shown in red; details roads with easy to difficult grades; and has insets of Anacortes, Friday Harbor, East Sound and Orcas. Also shown is where the Biker can find such necessities as water, groceries, camping, bike repair, tourist information and more. The map conveniently fits a handlebar pack window or a map case. It is available from Eagle Eye Maps, PO Box 30917, Seattle, Washington 98103 for \$2.95.

Eagle Eye Maps is responding to the need for good, detailed bicycle maps of the area. They also have a Mail Order Traveler's Map business (catalog available at the above address) which offers several lines of popular US and foreign travel maps.

CAMPAGNOLO'S DOUBLE BOMBSHELL. Not every year does this ultra-conservative Italian master introduce a new component, let alone a complete ensemble. At Milan '83 it unveiled two: First, Victory, a medium-high-price range series below Record but above Gran Sport. Second, Triomphe: it breaks new ground--Campagnolo's first entry into the middle price range.

Both ensembles showed another innovation; each has two versions, Racing and Leisure, with separate front and rear derailleur choices for each use, wider range for leisure cycling. This is just the beginning; traditionally racing-oriented, Campagnolo is working on other products for casual--"non-agnostique" cycling.

Both groups were designed from scratch, not borrowed from other models. Cranksets are forged, toe clips adjustable, seat posts have single-screw adjustment. Derailleurs are traditional Campi-articulated parallelogram.

WHAT IS THE USCF ? The OCW is a member club of the United States Cycling Federation. The USCF is the governing body of the sport of bicycle racing in the United States. It is affiliated with the *Union Cycliste Internationale*, the world governing body. Through this affiliation and membership in the United States Olympic Committee, the USCF insures its members representation in World Championships, Pan-American Games, the Olympics and national championship competition.

Every recognized bicycle race in the US is sanctioned by the USCF. Competitors in these events must have a racing license. Application for a racing license must be made to the USCF on forms prescribed by its directors. All licenses expire on December 31 of the year in which they are issued. Annual fees are currently \$12 to age 13 and \$25 thereafter. A limited supply of forms are available locally from the OCW and some bike shops. (Try Solo Sports or Campus Cyclery first) Or you may write to the USCF at 1750 East Boulder, Colorado Springs, CO 80909.

THE LAW IS BICYCLE USA - The League of American Wheelmen, founded in 1880 has modernized its image by changing its name to Bicycle USA. Its Board of Directors assures us that it will remain true to its long history of volunteerism and activism. BUSA's most visible activities for 1984 will be its rallies:

NATIONAL RALLY July 3-8 Indianapolis, IN
GEAR UP June 15-18 Towson, MD
GEAR CHARLOTTE June 8-11 Charlotte, NC

For more info-Bicycle USA, box 988, Balt. MD 21203

FOR SALE - GITANE TOUR DE FRANCE; 22.5" fr, Revnold 531 db f&f, sealed hubs, new pedals. 21 lb. Just overhauled, pump &wb, extras. \$375.

- GUERCIOTTI; 57 cm (c-c) - about 23", with or w/o Campy SR headset, SR braze-on fr. der., SR seat post bolt, NR bb. \$390 - \$500.

****CALL: CRAIG WILLIAMS - 922-3449*****

Wind Chill Table

Source: National Oceanic and Atmospheric Administration, U.S. Commerce Department

FLASH!!! These newsy items were received just as we were going to press:

TIME TRIALS - Frederick Mause is the new volunteer timer coordinator. He will be recruiting the timers for the 1984 time trial season. Wouldn't it be nice if he never had to ask? YOU can make his job very pleasant. 761-1651.

NEW MEMBER - Jim Koegel did not make the new roster but we want to welcome him.

EVENTS

Want to race in Flint, MI on May 20? \$3900 prizes. Contact Mark Reher 2091 Kenwood Dr Flint, MI 48504

DUES - Please pay them. The roster enclosed in this newsletter is for members current as of March 31.

Probability	Temperature		
	24° F or lower	28° F or lower	32° F or lower
CINCINNATI			
Last freezing temperature in spring:			
1 year in 10 later than--	April 4	April 18	May 7
2 years in 10 later than--	March 29	April 13	May 2
5 years in 10 later than--	March 18	April 3	April 23

Both temperature and wind cause heat loss from body surfaces. A combination of cold and wind makes a body feel colder than the actual temperature. The table shows, for example, that a temperature of 20 degrees Fahrenheit, plus a wind of 20 miles per hour, causes a body heat loss equal to that in minus 10 degrees with no wind. In other words, the wind makes 20 degrees feel like minus 10.

Top line of figures shows actual temperatures in degrees Fahrenheit. Column at left shows wind speeds.

MPH	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	19	12	7	0	-5	-10	-15	-21	-26	-31	-36	-42	-47	-52
10	22	16	10	3	-3	-9	-15	-22	-27	-34	-40	-46	-52	-58	-64	-71	-77
15	16	8	2	-5	-11	-18	-25	-31	-38	-45	-51	-58	-65	-72	-78	-85	-92
20	12	4	-3	-10	-17	-24	-31	-39	-46	-53	-60	-67	-74	-81	-88	-95	-102
25	8	-1	-7	-15	-22	-29	-36	-44	-51	-59	-66	-74	-81	-89	-96	-103	-110
30	6	-2	-10	-18	-25	-33	-41	-49	-56	-64	-71	-79	-86	-93	-101	-108	-116
35	4	-4	-12	-20	-27	-35	-43	-52	-60	-68	-76	-84	-92	-100	-107	-115	-123
40	3	-5	-13	-21	-29	-37	-45	-54	-62	-70	-78	-86	-94	-102	-109	-117	-125
45	2	-6	-14	-22	-30	-38	-46	-54	-62	-70	-78	-85	-93	-102	-109	-117	-125

(Wind speeds greater than 45 mph have little additional chilling effect.)

Temperature-Humidity (Discomfort) Index

The temperature-humidity index, THI, is a measure of summertime human discomfort resulting from the combined effects of temperature and humidity. (The THI may be calculated by adding wet-bulb and dry-bulb temperatures, multiplying the sum by 0.4 and adding 15.)

The following chart shows the combinations of temperature degrees and humidity percentages which produce discomfort for most persons (the equivalent of a THI value of 75) and those which produce acute discomfort for almost everyone (equivalent to a THI of 80).

Discomfort temp-humid.	Acute		Discomfort		Acute	
	temp-humid.	discomfort	temp-humid.	discomfort	temp-humid.	discomfort
75-100%	81-100%	82-98%	82-49%	88-94%	80-114%	85-93%
76-81%	82-83%	83-43%	83-48%	89-48%	81-10%	87-16%
77-82%	83-86%	84-38%	84-38%	89-43%	82-7%	88-13%
78-75%	84-78%	85-33%	85-33%	91-38%	83-5%	89-11%
79-68%	85-71%	86-29%	86-29%	92-34%	84-3%	100-8%
80-61%	86-65%	87-25%	87-25%	93-30%	85-1%	101-6%
81-55%	87-59%	88-20%	88-20%	94-26%	86-1%	102-3%
		89-17%	89-23%	95-23%	87-1%	103-1%

From 95 degrees up there is discomfort at any humidity. When the temperature is over 102 degrees there is acute discomfort at any humidity.

Speed of Winds in the U.S.

Source: National Oceanic and Atmospheric Administration, U.S. Commerce Department

Station	Avg.		Station	Avg.		Station	Avg.	
	High	High		High	High		High	High
Albuquerque, N.M.	8.0	9.0	Helena, Mont.	7.9	7.3	New York, N.Y. (c)	9.4	7.0
Anchorage, Alaska	6.8	6.1	Honolulu, Ha.	11.8	6.7	Omaha, Neb.	10.7	10.9
Atlanta, Ga.	9.1	7.0	Jacksonville, Fla.	8.3	8.2	Pensacola, Fla.	8.3	5.3
Bismarck, N.D.	10.4	7.2	Key West, Fla.	11.3	8.4	Philadelphia, Pa.	8.6	7.3
Boston, Mass.	12.6	8.1	Knoxville, Tenn.	7.2	3.6	Pittsburgh, Pa.	9.3	5.8
Buffalo, N.Y.	12.2	9.1	Little Rock, Ark.	8.1	6.5	Portland, Ore.	7.8	9.8
Cape Hatteras, N.C.	11.4	(b)11.0	Louisville, Ky.	8.4	6.1	Rochester, N.Y.	9.8	8.8
Charlottesville, Tenn.	6.2	37	Memphis, Tenn.	8.1	4.6	St. Louis, Mo.	9.6	6.0
Chicago, Ill.	10.3	5.8	Miami, Fla.	9.2	(a)7.4	Salt Lake City, Ut.	8.8	7.1
Cincinnati, Oh.	7.1	4.9	Minneapolis, Minn.	10.5	9.2	San Diego, Cal.	4.7	5.8
Cleveland, Oh.	10.9	7.4	Mobile, Ala.	6.1	(b)6.3	San Francisco, Cal.	10.5	5.8
Denver, Col.	9.0	5.4	Montgomery, Ala.	9.7	7.2	Savannah, Ga.	8.0	6.8
Detroit, Mich.	10.2	4.6	N.W. Washington, N.H.	3.0	2.1	Spokane, Wash.	8.7	5.9
Fort Smith, Ark.	7.6	8.0	Nashville, Tenn.	8.0	3.5	Toledo, Oh.	9.5	7.2
Galveston, Tex.	11.0	(d)10.0	New Orleans, La.	8.2	(b)9.8	Washington, D.C.	9.3	7.8

(a) Highest velocity ever recorded in Miami area was 132 mph. at former station in Miami Beach in September, 1926.
 (b) Previous location. (c) Data for Central Park, Battery Place data through 1960, avg. 14.5, high 11.3. (d) Recorded before anemometer blew away. *Estimated high 120.

Meteorological — Monthly Temperature and Precipitation

Source: National Oceanic and Atmospheric Administration, U.S. Commerce Department

These normals are based on records for the 30-year period 1941 to 1970 inclusive. See explanation on page 793. For stations that did not have continuous records from the same instrument site for the entire 30 years, the means have been adjusted to the record at the station site. T, temperature in Fahrenheit; P, precipitation in inches; L, less than .05 inch. Airport station; *city office stations.

Station	Month											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Albany, N.Y.	22.2	24.6	33.0	42.7	50.3	58.0	65.0	72.3	77.1	70.2	62.3	50.0
Albuquerque, N.M.	35.0	40.1	46.5	53.5	60.5	67.5	74.5	81.5	88.5	81.5	74.5	67.5
Anchorage, Alaska	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0
Ashville, N.C.	38.3	39.3	46.4	53.5	60.6	67.7	74.8	81.9	89.0	82.1	75.2	68.3
Atlanta, Ga.	42.3	45.4	51.5	58.6	65.7	72.8	79.9	87.0	94.1	87.2	80.3	73.4
Baltimore, Md.	43.2	45.4	51.5	58.6	65.7	72.8	79.9	87.0	94.1	87.2	80.3	73.4
Barnes, Ala.	-16.0	-19.0	-12.0	-5.0	2.0	9.0	16.0	23.0	30.0	37.0	44.0	51.0
Birmingham, Ala.	44.8	47.3	53.2	60.3	67.4	74.5	81.6	88.7	95.8	88.9	82.0	75.1
Bismarck, N.D.	0.5	14.0	27.5	34.0	40.5	47.0	53.5	60.0	66.5	59.0	52.5	46.0
Boston, Mass.	29.3	30.5	37.6	44.7	51.8	58.9	66.0	73.1	80.2	73.3	66.4	59.5
Buffalo, N.Y.	24.9	24.8	32.9	40.0	47.1	54.2	61.3	68.4	75.5	68.6	61.7	54.8
Burlington, Vt.	17.1	19.1	27.2	34.3	41.4	48.5	55.6	62.7	69.8	62.9	56.0	49.1
Carroll, Mo.	49.2	51.3	57.4	64.5	71.6	78.7	85.8	92.9	100.0	93.1	86.2	79.3
Charleston, S.C.	11.0	15.1	21.2	27.3	33.4	39.5	45.6	51.7	57.8	50.9	44.0	37.1
Chicago, Ill.	24.1	27.1	34.2	41.3	48.4	55.5	62.6	69.7	76.8	69.9	63.0	56.1
Chickasha, Okla.	32.3	34.3	40.4	46.5	52.6	58.7	64.8	70.9	77.0	70.1	63.2	56.3
Cleveland, Oh.	27.8	28.2	36.3	43.4	50.5	57.6	64.7	71.8	78.9	72.0	65.1	58.2
Columbus, Oh.	42.1	46.2	52.3	58.4	64.5	70.6	76.7	82.8	88.9	82.0	75.1	68.2
Columbus, Miss.	27.9	28.3	36.4	43.5	50.6	57.7	64.8	71.9	79.0	72.1	65.2	58.3
Dallas, Tex.	55.2	58.3	65.4	72.5	79.6	86.7	93.8	100.9	108.0	101.1	94.2	87.3
Denver, Colo.	30.0	33.1	40.2	47.3	54.4	61.5	68.6	75.7	82.8	75.9	69.0	62.1
Des Moines, Ia.	19.1	24.1	31.2	38.3	45.4	52.5	59.6	66.7	73.8	66.9	60.0	53.1
Detroit, Mich.	26.1	27.1	35.2	42.3	49.4	56.5	63.6	70.7	77.8	70.9	64.0	57.1
Dodge City, Kan.	31.0	35.1	42.2	49.3	56.4	63.5	70.6	77.7	84.8	77.9	71.0	64.1
Duluth, Minn.	9.7	14.8	21.9	29.0	36.1	43.2	50.3	57.4	64.5	57.6	50.7	43.8
Eureka, Cal.	-12.0	-6.0	3.0	10.0	17.0	24.0	31.0	38.0	45.0	38.0	31.0	24.0
Fairbank, Alaska	27.0	31.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	58.0	53.0	48.0
Farmington, N.M.	50.0	53.0	60.0	67.0	74.0	81.0	88.0	95.0	102.0	95.0	88.0	81.0
Grand Junction, Colo.	27.0	31.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	73.0	66.0	59.0
Grass Valley, Calif.	45.0	49.0	55.0	61.0	67.0	73.0	79.0	85.0	91.0	84.0	77.0	70.0
Hartford, Conn.	25.0	27.0	35.0	42.0	49.0	56.0	63.0	70.0	77.0	70.0	63.0	56.0
Helen, Ga.	18.0	25.0	32.0	39.0	46.0	53.0	60.0	67.0	74.0	67.0	60.0	53.0
Honolulu, Hawaii	72.4	74.2	75.9	77.6	79.3	81.0	82.7	84.4	86.1	87.8	89.5	91.2
Houston, Tex.	52.3	56.3	63.4	70.5	77.6	84.7	91.8	98.9	106.0	99.1	92.2	85.3
Huron, S.D.	13.0	14.0	20.0	27.0	34.0	41.0	48.0	55.0	62.0	55.0	48.0	41.0
Indianapolis, Ind.	47.5	51.5	58.6	65.7	72.8	79.9	87.0	94.1	101.2	94.3	87.4	80.5
Jacksonville, Fla.	42.1	46.1	52.2	58.3	64.4	70.5	76.6	82.7	88.8	81.9	75.0	68.1
Jacksonville, Mo.	55.2	59.2	66.3	73.4	80.5	87.6	94.7	101.8	108.9	102.0	95.1	88.2
Janice, Alaska	24.3	29.3	36.4	43.5	50.6	57.7	64.8	71.9	79.0	72.1	65.2	58.3
Jessie, Alaska	27.1	32.1	39.2	46.3	53.4	60.5	67.6	74.7	81.8	74.9	68.0	61.1
Kansas City, Mo.	41.7	43.7	50.8	57.9	65.0	72.1	79.2	86.3	93.4	86.5	79.6	72.7
Knoxville, Tenn.	20.0	25.0	32.0	39.0	46.0	53.0	60.0	67.0	74.0	67.0	60.0	53.0
Lander, Wyo.	40.2	44.2	51.3	58.4	65.5	72.6	79.7	86.8	93.9	87.0	80.1	73.2
Little Rock, Ark.	57.3	60.3	67.4	74.5	81.6	88.7	95.8	102.9	110.0	103.1	96.2	89.3
Los Angeles, Calif.	57.0	58.0	65.1	72.2	79.3	86.4	93.5	100.6	107.7	100.8	93.9	87.0
Louisville, Ky.	45.1	49.1	56.2	63.3	70.4	77.5	84.6	91.7	98.8	91.9	85.0	78.1
Lubbock, Tex.	53.4	57.4	64.5	71.6	78.7	85.8	92.9	100.0	107.1	100.2	93.3	86.4
Marquette, Mich.	41.4	45.4	52.5	59.6	66.7	73.8	80.9	88.0	95.1	88.2	81.3	74.4
Memphis, Tenn.	67.2	69.2	76.3	83.4	90.5	97.6	104.7	111.8	118.9	112.0	105.1	98.2
Meriden, Conn.	19.0	23.0	30.0	37.0	44.0	51.0	58.0	65.0	72.0	65.0	58.0	51.0
Minneapolis, Minn.	12.0	17.0	24.0	31.0	38.0	45.0	52.0	59.0	66.0	59.0	52.0	45.0
Mobile, Ala.	51.7	54.8	61.9	69.0	76.1	83.2	90.3	97.4	104.5	97.6	90.7	83.8
Nashville, Tenn.	36.4	41.4	48.5	55.6	62.7	69.8	76.9	84.0	91.1	84.2	77.3	70.4
Newark, N.J.	34.8	37.9	45.0	52.1	59.2	66.3	73.4	80.5	87.6	80.7	73.8	66.9
New Orleans, La.	53.4	57.4	64.5	71.6	78.7	85.8	92.9	100.0	107.1	100.2	93.3	86.4
New York, N.Y.	32.2	37.2	44.3	51.4	58.5	65.6	72.7	79.8	86.9	80.0	73.1	66.2
Nome, Alaska	6.0	9.0	16.0	23.0	30.0	37.0	44.0	51.0	58.0	51.0	44.0	37.0
Norfolk, Va.	47.3	51.3	58.4	65.5	72.6	79.7	86.8	93.9	101.0	94.1	87.2	80.3
Ola, Okla.	37.1	41.1	48.2	55.3	62.4	69.5	76.6	83.7	90.8	83.9	77.0	70.1
Ola, Okla.	23.0	28.0	35.0	42.0	49.0	56.0	63.0	70.0	77.0	70.0	63.0	56.0
Omaha, Neb.	33.0	38.0	45.0	52.0	59.0	66.0	73.0	80.0	87.0	80.0	73.0	66.0
Philadelphia, Pa.	32.2	37.2	44.3	51.4	58.5	65.6	72.7	79.8	86.9	80.0	73.1	66.2
Phoenix, Ariz.	51.7	54.8	61.9	69.0	76.1	83.2	90.3	97.4	104.5	97.6	90.7	83.8
Portland, Me.	22.3	24.3	31.4	38.5	45.6	52.7	59.8	66.9	74.0	67.1	60.2	53.3
Portland, Ore.	22.3	24.3	31.4	38.5	45.6	52.7	59.8	66.9	74.0	67.1	60.2	53.3
Portland, Conn.	26.3	29.3	36.4	43.5	50.6	57.7	64.8	71.9	79.0	72.1	65.2	58.3
Providence, R.I.	26.3	29.3	36.4	43.5	50.6	57.7	64.8	71.9	79.0	72.1	65.2	58.3
Raleigh, N.C.	41.3	45.3	52.4	59.5	66.6	73.7	80.8	87.9	95.0	88.1	81.2	74.3
Rapid City, S.D.	22.0	25.0	32.0	39.0	46.0	53.0	60.0	67.0	74.0	67.0	60.0	53.0
Reno, Nev.	32.1	37.1	44.2	51.3	58.4	65.5	72.6	79.7	86.8	79.9	73.0	66.1
Richmond, Va.	39.2	43.2	50.3	57.4	64.5	71.6	78.7	85.8	92.9	86.0	79.1	72.2
Salt Lake City, Utah	31.9	35.9	43.0	50.1	57.2	64.3	71.4	78.5	85.6	78.7	71.8	64.9
Salt Lake City, Utah	51.7	55.7	62.8	69.9	77.0	84.1	91.2	98.3	105.4	98.5	91.6	84.7
San Diego, Calif.	56.1	59.1	66.2	73.3	80.4	87.5	94.6	101.7	108.8	101.9	95.0	88.1
San Francisco, Calif.	51.9	51.0	58.1	65.2	72.3	79.4	86.5	93.6	100.7	93.8	86.9	80.0
San Juan, P.R.	48.4	51.4	58.5	65.6	72.7	79.8	86.9	94.0	101.1	94.2	87.3	80.4
San Jose, Calif.	14.9	15.5	22.6	29.7	36.8	43.9	51.0	58.1	65.2	58.3	51.4	44.5
Seattle, Wash.	50.2	52.2	59.3	66.4	73.5	80.6	87.7	94.8	101.9	95.0	88.1	81.2
Seattle, Wash.	35.5	37.5	44.6	51.7	58.8	65.9	73.0	80.1	87.2	80.3	73.4	66.5
Springfield, Mo.	33.7	37.7	44.8	51.9	59.0	66.1	73.2	80.3	87.4	80.5	73.6	66.7
Springfield, N.Y.	60.2	62.2	69.3	76.4	83.5	90.6	97.7	104.8	111.9	105.0	98.1	91.2
Trenton, N.J.	32.6	37.6	44.7	51.8	58.9	66.0	73.1	80.2	87.3	80.4	73.5	66.6
Wilmington, D.C.	36.2	41.2	48.3	55.4	62.5	69.6	76.7	83.8	90.9	84.0	77.1	70.2
Wilmington, Del.	32.2	37.2	44.3	51.4	58.5	65.6	72.7	79.8	86.9	80.0	73.1	66.2

Station	Month											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Albany, N.Y.	22.2	24.6	33.0	42.7	50.3	58.0	65.0	72.3	77.1	70.2	62.3	50.0
Albuquerque, N.M.	35.0	40.1	46.5	53.5	60.5	67.5	74.5	81.5	88.5	81.5	74.5	67.5

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Mike/Dian Albrinck 941 Lakeshore Cincinnati OH 45231 521-1225	Don Bartholomew 11730 Enyart Road Loveland OH 45140 677-0622	Don & Bri Burrell 4994 Bonaventure Court Cincinnati OH 45238 922-3867
Roger Charleville 8730 Red Fox Lane Cincinnati OH 45243 561-8736	William Damen 5932 Euclid Avenue Cincinnati OH 45236 984-2911	Mike Davis 111 E. 69th Street Cincinnati OH 45216 761-7060
Patrick Delehanty 2709 Hampshire Avenue Cincinnati OH 45208 871-9097	Tim Doan 9393 Patti Circle West Chester OH 45069 922-3696	Joe Dollman 8367 Cottonwood Apt. 1 Cincinnati OH 45231 522-3696
Robt. W. Eubanks 3215 Brookwood Drive Edgewood KY 41017 341-4807	William Froschauer 3011 Alpine Terrace Cincinnati OH 45208 321-1915	Gene Hancock 4020 Lake Point Court Villa Hills KY 41016 331-7929
Greg Hanfbauer 5070 Western Hills Av Cincinnati OH 45238 244-7164	William L Hartman 2003 Beechcroft Cincinnati OH 45238 922-8917	Bruce G. Hendler 2713 Griffiths #3 Cincinnati OH 45208 321-9002
Milton Hopkins 2316 Ohio Avenue Cincinnati, OH 45219 421-3698	Dave Kissing 3353 Queen City Ave #1 Cincinnati OH 45238 661-2524	Timothy L Kling 6022 Monticello Cincinnati OH 45224 221-6411
David Knaebel 211 N. Ft. Thomas Ave. Ft. Thomas KY 41075 781-2644	Ellen Lady & Fam. 995 Paradrome Street Cincinnati OH 45202 721-3716	Gary Lane 5070 Western Hills Av Cincinnati OH 45238 244-7164
Wm. Laphorn 6330 Stove Avenue Cincinnati OH 45237 531-6339	Jeff Lyslo 11730 Laurelview Drive Montgomery OH 45242 489-3248	Frederick Mause 478 North Bend Road Cincinnati OH 45224 761-1651
James F. McCarthy III 111 Garfield Place 302 Cincinnati OH 45202 651-3704	Scott T. Nichols 645 Tyler Avenue Milford OH 45150 831-5830	Watson N. Nordquist 3544 Edgeview Drive Cincinnati OH 45213 631-7786
Jim Obert 9816 Greenriver Drive Cincinnati OH 45231 851-5134	John W. Peter 6608 W. Knollwood Cir. Loveland OH 45140 677-0946	Victor Roth 6462 Loiswood Cincinnati OH 45224 521-0046
Bill Schroeder 8780 Cavalier Drive Cincinnati OH 45231 522-7630	Harold A. Schuck 2411 W. McMicken Ave. Cincinnati OH 45214 241-7876	Jeffery Slutz 3159 Niles Street Cincinnati OH 45208 321-4553
Bill Thomas 509 Missouri Cincinnati OH 45226 871-3368	Bill Uassler 3218 Phoenix Cincinnati OH 45211 662-1317	Craig Williams 3068 West Tower Ave Cincinnati OH 45238 922-3449