

Sat May 4, 2019 **5.5 miles**

On a stationary recumbent bike set at level 12: I did a 500 calorie ride in 49:30. Final heart rate 117 bpm, Average heart rate about 108 bpm.

Warm down: ½ mile jog and walk home uphill.

Sun May 5, 2019 **no running**

On May 2, my right calf cramped while running. Since then the calf has been sore. I have been massaging it every day and this seems to help.

Mon May 6, 2019 **6 miles**

Run: I ran 5 miles averaging 10:00/mile. The first 4 miles were on hilly roads and the last mile was on the Allegheny College track. My right calf was still a little sore.

Warm down: I jogged 1 mile home.

Tues May 7, 2019 **6 miles**

Run: I ran the same 5 mile course that I did yesterday and averaged 9:33/mile. My calf was somewhat better.

Warm down: I jogged 1 mile home.

Splits for the 5 mile run:

Yesterday: 10:45 (up hill), 9:50, 9:23, 9:51, 10:10

Today: 10:17 (up hill), 9:39, 9:24, 9:32, 8:53

Wed May 8, 2019 **5.5 miles**

Ride: I did a 500 calorie ride on a stationary recumbent bike on level 12.

100 calorie splits: 11:10, 11:02, 11:00, 10:20, 9:40.

The pulse at the end was 115 bpm

I count this ride as equivalent to a 5 mile run.

Warm down: I walked and jogged ½ mile home.

Thurs May 9, 2019 **no running**

Fri May 10, 2019, **3 miles**

I was going to run 5 miles on a treadmill but had to stop after 3 miles because my left calf cramped again as it did last week and this left my leg really sore. After an hour or so I could not stand on my toes because it made my calf hurt so much. We went to see Dr Dan Young a chiropractor in Erie. He has helped us with similar situations in the past. He massaged my calf and IT band for about 15 minutes. During this treatment I had a great deal of discomfort but I knew it would help a lot. And it did. Right after the treatment I had no problem standing on my toes. Dr Young showed Mary Jane how to massage my leg.

In the past week: 26.5 miles

Sat May 11, 2019 **5 miles**

Before running Mary Jane massaged my sore calf and again I had a great deal of discomfort. Because of this I did not think I would be able to run much at all. When I went out the door to run I was thinking I would run slowly in the beginning and then walk and run a couple of miles after that. After a slow mile mainly uphill I had no problem running, picked up the pace and ran a total of 5 miles averaging 10:40/mile on hilly roads. It was an enjoyable run with no problems. I think if Mary Jane continues to massage my leg everyday before I run, I should recover quickly.

Sun May 12, 2019 **no running**

Mon May 13, 2019 **5 miles**

I ran on a Wise Center treadmill.

3 miles, I kept my pulse close to 130 bpm during the second and third miles. Splits: 9:47, 9:59, 10:39 I rested 3 minutes after the 3 mile run.

1 x ¼ mile in 1:53, 1 x ½ mile in 4:00. Pulse at the end of ½ mile: 160 bpm I jogged ¼ mile before each run and ¾ mile after the second one.

Tues May 14, 2019 **3 miles**

I ran on a Wise Center treadmill.

3 miles, Average pulse about 130 bpm. Splits: 10:00, 10:00, 10:16

My right calf got tight and hurt again. I should run easily for a while.

Wed May 15, 2019 **3 miles**

I ran and walked on slightly hilly roads.

3 miles, Average pulse about 118 bpm and average pace about 11:20

My calf felt okay.

Thur May 16, 2019 **4.5 miles**

I ran and walked 4.5 miles on hilly roads and averaged 11:20/mile.

Fri May 17, 2019 **8 miles**

I ran and walked 8 miles on hilly roads and averaged 11:55/mile.

In the last week: 28.5 miles

Sat May 18, 2019 **5 miles**

My calf is a lot better. Massaging has helped a lot.

Run: 4 miles on hilly roads averaging 9:43/mile

Warm down: rest 3 minutes and walked and ran 1 mile in about 12:00

Sun May 19, 2019 **5 miles**

I did the same workout as yesterday.

Run: 4 miles on hilly roads averaging 8:59/mile

Warm down: rest 3 minutes and walked and ran 1 mile in 11:45/mile

Sum of ascents: 267 feet, This is one of my fastest times on this course.

Splits:

July 4, 2018: 9:18, 9:12, 8:41, 8:34

Today: 9:42, 9:12, 8:44, 8:16

Mon May 20, 2019 **6 miles**

I ran 6 miles out and back on hilly Limber Rd. Average pace near 11:00/mi.

Sum of ascents along the course is 530 feet.

Tues May 21, 2019 **4 miles**

I ran 4 miles on hilly roads at various paces averaging 10:48/mile. This run included a slightly downhill ½ mile in 4:05.

Wed May 22, 2019 **no running**

I worked hard on preparing our garden.

Thur May 23, 2019 **5 miles**

I ran on the high school track.

warm up: 1.5 miles at various paces and rest 2 minutes.

Run: 4 x 300m and 4 x 200m. After the 300m runs I jogged 500m in about 4:00 each. After the 200m runs I jogged 200m in about 1:30 each.

Times: 81s, 82s, 80s, 79s, 51s, 53s, 51s, 50s

Warm down: rest 2:00 and jog ½ mile

Fri May 24, 2019 **5 miles**

I ran 5 miles on slightly hilly roads and averaged about 10:00/mile.

In the last week: 30 miles

Sat May 25, 2019 **6 miles**

I ran 5.5 miles with Jim Fitch on slightly hilly roads. We averaged 10:38/mile. After resting a few minutes I jogged ½ mile uphill.

Sun May 26, 2019 **4 miles**

2 miles on slightly hilly roads averaging 9:29/mile, 3:00 rest

2 miles out and back on hilly Limber Rd averaging 9:25/mile

The first ¼ mile of the run on Limber goes up 93 feet which is a 7% incline.

I ran this ¼ mile in 2:31 and kept running. This was a tough uphill run.

Mon May 27, 2019 **4 miles**

I ran on the high school track, running wide so each lap was ¼ mile.

Run: 3 miles in 27:08, Splits: 9:15, 9:08, 8:45

Warm down: rest 3:00, jog 1 mile in 10:30

Tues May 28, 2019 **no running**

Wed May 29, 2019 **4.75 miles**

I ran intervals on the high school track with our summer running group.

Warm up: 1.25 miles on my own at about 10:00/mile pace and about 0.75 miles with the group at various paces

Run: 1 x 200m, my time: 53s, a 200m jog

5 x 400m with 400m jog after each

My times for the 5 runs: 1:58, 1:57, 1:55, 1:53, 1:49

Thur May 30, 2019 **5.5 miles**

I ran 5.5 miles on somewhat hilly roads and averaged 10:11/mile.

Fri May 31, 2019 **6 miles**

I ran 5.5 miles on a course that was more hilly than yesterday.

Average pace: 9:37/mile

I rested 3 minutes and jogged ½ mile

In the past week: 30.25 miles

Sat June 1, 2019 **6 miles**

I ran 5.5 miles with Jim Fitch on slightly hilly roads. We averaged 10:40/mile. After resting a few minutes I jogged ½ mile uphill.

Sun June 2, 2019 **no running**

I twisted my ankle.

Mon June 3, 2019 **5.5 miles**

In the morning I ran 3 miles slowly on roads.

In the afternoon I ran 2.5 miles slowly on the high school track.

Each time my ankle felt better as I ran.

Tues June 4, 2019 **4 miles**

I ran 4 miles on the college outdoor track. My ankle is still stiff and sore but felt better as I ran. Mile splits: 11:39, 10:50, 10:10, 9:46 Average pace: 10:36/mi

Wed June 5, 2019 **8 miles**

In the morning I ran on the high school track. My ankle is better than yesterday.

I jogged ¼ mile, ran 3 miles in 28:08, rested 4 minutes and jogged ½ mile.

Splits for 3 miles: 10:00, 9:21, 8:48 Average pace: 9:23

In the afternoon I ran on the high school track with our running group.

Warm up: 2 miles in 10:00 and 10:34 and rested about 4:00

Run: 1 x 200m and 4 x 600m with a 200m slow jog after each.

Times: 56s, 2:57, 2:59, 2:58, 2:54

Thur June 6, 2019 **2 miles**

I ran 2 miles slowly on the high track. I felt tired probably because of the running I did yesterday.

Fri June 7, 2019 **6 miles**

I ran 5.5 miles on slightly hilly roads with Jim and Sharon. The average pace was 11:38/mile.

In the past week: 31.5 miles

Sat June 8, 2019 **3.5 miles**

I ran on the high school track. I ran wide on the curves so each lap was $\frac{1}{4}$ mile.

warm up: 1 mile in 9:45 and rested about 4:00.

Run: 2 miles in 17:21, Splits: 8:52, 8:29

Warm down: 3:00 rest and $\frac{1}{2}$ mile in 5:05

Sun June 9, 2019 **no running**

Mon June 10, 2019 **2 miles**

I ran 2 miles on the high school track including 1 mile in 10:11, 200m in 58s and 600m in 1:31.

Tues June 11, 2019 **4.5 miles**

Run: I ran 4 miles on the high school track, running wide on the turns so each lap was $\frac{1}{4}$ mile. **Mile splits:** 9:57, 9:46, 9:44, 9:32

Warm down: Rest 2 minutes and $\frac{1}{2}$ mile in 5:33

Wed June 12, 2019 **6 miles**

I ran on the high school track with our running group.

Warm up: 2 miles in 21 minutes, $\frac{1}{4}$ mile of drills, rested 2 minutes, $\frac{1}{2}$ mile in 4:48, rested 4 minutes

Run: 200m, 400m, 3 x 600m, 400m, 200m

Times: 58s, 2:02, 3:03, 3:02, 3:00, 1:59, 54s

Each of the 7 runs was followed by a slow 3.5 minute jog after each.

Thur June 13, 2019 **4.5 miles**

warm up: $\frac{1}{2}$ mile down to the Wise Center

Run: 3.6 miles on a treadmill averaging 9:36/mile. The last 0.6 miles at 8:28/mi.

Warm down: 0.4 miles in about 4 minutes.

Fri June 14, 2019 **5 miles**

I walked and ran 5 miles on the high school track. I walked about 110 yards at the beginning of each $\frac{1}{2}$ mile and averaged 11:57/mile

In the past week: 25.5 miles

Sat June 15, 2019 **5 miles**

warm up: ½ mile jog maily uphill.

Run: 4 miles on slightly hilly roads averaging 10:58/mile

Warm down: ½ mile jog

Sun June 16, 2019 **no running**

Mon June 17, 2019 **no running**

Tues June 18, 2019 **3.5 miles**

I ran on a Wise Center treadmill

warm up: 1 mile in 10:00 and rest 3 minutes

Run: 2 miles Splits: 9:28, 8:25 The last ¼ mile was in 2:00

Warm down: ½ mile in 5:10

Wed June 19, 2019 **2.5 miles**

I ran on the high school track with our running group.

warm up: 1 mile in about 11 minutes

Run: 3 x ¼ mile with a ¼ mile jog after each.

Times for runs: 1:57, 1:58, 1:47

Thurs June 20, 2019 **4 miles**

I ran 4 miles on a Wise Center treadmill. Time: 37:03 or 9:16/mile

Splits: 10:01, 9:30, 8:59, (4:21+4:12) = 8:33

Fri June 21, 2019 **3 miles**

Run: 2.5 miles on a Wise Center treadmill.

Splits: 10:00, 9:07, 4:16

Warm down: ½ mile in abut 5 minutes

In the past week: 18 miles

Sat June 22, 2019 **no running**

We drove to California MD.

Sun June 23, 2019 **5 miles**

I ran mainly on slightly hilly Wildewood Parkway in California MD.

warm up: 0.75 mile jog

Run: 4 miles averaging 10:41/ mile with a fast last $\frac{1}{4}$ mile

Warm down: 0.25 mile jog

Mon June 24, 2019 **5.5 miles**

I ran mainly on slightly hilly Wildewood Parkway in California MD.

warm up: 0.25 mile jog

Run: 5 miles averaging 10:10/mile with a fast last mile

Warm down: 0.25 mile jog

Tue June 25, 2019 **5.5 miles**

I ran mainly on slightly hilly Wildewood Parkway in California MD.

warm up: 0.25 mile jog

Run: 5 miles, the first 4.5 miles averaged 9:59/mile, the last $\frac{1}{2}$ mile in 4:15

Warm down: 0.25 mile jog

Wed June 26, 2019 **5.5 miles**

I ran mainly on slightly hilly Wildewood Parkway in California MD.

warm up: 0.25 mile jog

Run: 5 miles, the first 4.5 miles averaged 9:20/mile, the last $\frac{1}{2}$ mile in 4:12

Warm down: 0.25 mile jog

I felt increasingly better over the last 4 days. I am going to rest a little now.

Thur June 27, 2019 **no running**

Fri June 28, 2019 **no running**

We drove back to Meadville.

In the past week: 21.5 miles

Sat June 29, 2019 **10 miles**

I ran 5 miles on slightly hilly roads, rested about 8 minutes while drinking 16 ounces of Gatorade and then ran the same 5 mile course again.

The first time I averaged 10:51 min/mile and the second time 9:51 min/mile.

1st time splits: 11:56, 10:59, 10:43, 10:28, 10:10

2nd time splits: 10:18, 10:08, 9:52, 9:43, 9:14

Sun June 30, 2019 **no running**

Mon July 1, 2019 **5.6 miles**

I ran with our running group on the high school track. We had 11 runners.

warm up: 2.75 miles at about 10:40/mile and rest a few minutes.

Run: 1 x 200m in 58s and a 200m jog

7 x 400m with a 300m jog in about 3:30 after each run.

Times for the 400's: 2:00, 1:58, 1:57, 1:56, 1:55, 1:49, 1:45

The runs got easier as I ran.

Tues July 2, 2019 **4 miles**

1.25 miles at various paces on roads, 1.5 miles on the track at about 10 min/mile, and 1.25 miles at various paces on roads.

Wed July 3, 2019 **5 miles**

Run: 4 miles on the high school track in 39:13, Splits: 9:57, 9:51, 9:46, 9:41

Warm down: 1 mile in about 11 minutes.

Thur July 4, 2019 **7 miles**

Run: I ran 7 enjoyable miles on hilly roads with Olivia Hemlock.

The first 5 miles averaged 10:30/mile. Then we rested about 2 minutes.

Then 1.1 miles at about 8:15/mile pace on a slightly hilly road.

Warm down: 0.9 mile jog

Fri July 5, 2019 **3.25 miles**

I ran on the high school track.

warm up: 1 mile in 9:48, rest about 2:00, ¼ mile of drills, rest about 2:00

Run: 4 x 200m with a 200m jog after each. The jogs took about 2:00

Times: 59s, 60s, 55s, 55s

2 x 400m, with 400m jog after each. The jogs took about 3:30

Times: 1:56, 1:47

In the past week: 34.9 miles

Sat July 6, 2019 **5 miles**

I did the same workout as on July 4, 2018 and May 19, 2019.

Run: 4 miles on hilly roads averaging 8:59/mile

Warm down: rest 2 minutes and ran 1 mile in 11:13/mile

Sum of ascents: 267 feet, This is one of my fastest times on this course.

Splits:

July 4, 2018: 9:18, 9:12, 8:41, 8:34 Average pace: 8:56

May 19, 2019: 9:42, 9:12, 8:44, 8:16 Average pace: 8:59

Today: 9:58, 8:55, 8:55, 8:09 Average pace: 8:59

Sun July 7, 2019 **no running**

Mon July 8, 2019 **5 miles**

I ran with 11 other runners on the high school track.

warm up: 1 mile in 9:37, rest 45s, 1 mile in 10:02, rest about 4 minutes

Run: 1 x 200m, 1 x 400m, 1 x 800m, 1 x 1200m, 1 x 200m,

Times: 55s, 1:52, 3:57, 6:00

We jogged 200m after the first and last runs and 400m after all the others.

Warm down: 400m jog.

Tues July 9, 2019 **5 miles**

I walked and ran 5 miles on slightly hilly roads and averaged 11:53/mile.

I walked about a minute at the beginning of each ½ mile.

Wed July 10, 2019 **7.25 miles**

In the morning I walked and ran 4 miles on the high school track. I walked about 110 yards at the beginning of each half mile and averaged 10:57/mile.

Walking pace: about 15:00/mile, Running pace about 10:20/mile

In the afternoon I ran 3.25 miles with our running group on the high school track in near 90 degree temperatures. This run included 1 x 200m and 4 x 400m.

Times: 58s for the 200m and about 2:00 for the 400's.

Thur July 11, 2019 **3 miles**

I ran and walked 3 miles on a treadmill. I walked 0.1 miles at the end of each half mile and averaged 10:57/mile. Running pace: 10:00/mi, Walking pace: 15:00/mi

Fri July 12, 2019 **4.5 miles**

I ran 4 miles on hilly roads averaging 9:50/mile then I jogged 0.4 miles

In the last week: 29.8 miles

Sat July 13, 2019 **2 miles**

I ran 2 miles on slightly hilly roads including 1 mile in 10:10 and 2 x 200m on a slight down hill in about 57s each.

Sun July 14, 2019 **11.1 miles**

warm up: I ran 1.8 miles at various paces.

Run: Trailblazer 15K in 1:22:23 on the Ernst Trail in Meadville PA.

Average pace: 8:50/mile

Mile splits: 8:57, 8:51, 8:47, 8:49, 8:41, 8:48, 9:07, 9:00, 8:48

Mon July 15, 2019 **4 miles**

I ran on the high school track with our running group.

warm up: 1.25 miles at various paces and rest a few minutes

Run: 1 x 200m, 2 x 400, 1 x 1600m, 1 x 200m,

Times: 56s, 2:03, 1:59, 8:10 (splits: 2:06, 2:04, 2:00, 2:00), 56s

We jogged 200m after the first and last runs and 400m after all the others.

Tues July 16, 2019 **4 miles**

I walked and ran 4 miles on hilly roads and averaged 11:38/mile. I walked about 1:00 at the beginning of each ½ mile for a total of about 8 minutes of walking.

Wed July 17, 2019 **3 miles**

I ran 3 miles with our running group on the high school track.

This run included 1 x 200m and 4 x 400m.

Times: 55s for the 200m and 1:55, 1:55, 1:52 and 1:52 for the 400's.

Thur July 18, 2019 **4 miles**

I walked and ran 4 miles on hilly roads and averaged 11:14/mile. I walked 3 times for a total of 5:20 walking.

Fri July 19, 2019 **no running**

In the last week: **28.1 miles**

Sat July 20, 2019 **1.25 miles**

I ran on the high school track. I am running a ½ marathon tomorrow.

800m in 4:43, rest 3:00, 400m in 2:13, rest 3:00, 2 x 200m in 1:01 and 1:05 with a 200m jog after each.

Sun July 21, 2019 **14.1 miles**

warm up: 1 mile at various paces

Run: I ran the Presque Isle Half Marathon in Erie PA on a hot humid day.

Results: Gun Time: 2:00:35, Average Pace: 9:12/mi, First in 75-79 age group, 290th out of 1000 finishers, 17th fastest age graded time.

Mile Splits:

8:53, 9:07, 8:59, 9:09, 9:05, 9:12, 9:16, 9:20, 9:19, 9:25, 9:08, 9:12, 9:29

Note: I drank enough water but I didn't drink much Gatorade during the run which I usually do. Also I usually eat a gel at the 10 mile mark but I did not today. With more Gatorade and the gel I don't think I would have faded in the last mile. I usually pick up the pace in the last mile.

Mon July 22, 2019 **3 miles**

I ran 3 miles on hilly roads and averaged 11:00/mile.

Tues July 23, 2019 **no running**

Wed July 24, 2019 **2.5 miles**

I walked about 1 mile on trail in Cook Forest, rested a few minutes and then ran about 1.5 miles on a hilly trail.

Thurs July 25, 2019 **3 miles**

I ran three miles on hilly roads in Meadville and averaged 10:38/mile.

Fri July 26, 2019 **no running**

In the last week: 23.9 miles

Sat July 27, 2019 **5 miles**

I ran and walked 5 miles on hilly roads and averaged about 11:30/mile.

Sun July 28, 2019 **no running**

Mon July 29, 2019 **4.3 miles**

I ran with our running group on the Greendale Cemetery 510 meter loop.

warm up: 1.3 miles

Run: 1 x 200m (54s mainly downhill) and jog 300m

5 x 510m with about a 300m jog between the runs

My times: 2:34, 2:34, 2:29, 2:30, 2:21

Warm down: 510m jog

Tues July 30, 2019 **no running**

Wed July 31, 2019 **5 miles**

I ran with our running group on the Greendale Cemetery 510 meter loop.

warm up: 1 mile in 9:50, rest 2 minutes, 1 mile in 10:45, rest 7 minutes

Run: 1 x 200m (54s mainly downhill) and jog 300m

5 x 510m with about a 300m jog between the runs

My times: 2:37, 2:29, 2:22, 2:24, 2:21

Warm down: 510m jog

Thur Aug 1, 2019 **5 miles**

I walked and ran 5 miles on slightly hilly roads and averaged 11:20/mile. I walked about 6 minutes total during 4 walks.

Fri Aug 2, 2019 **6 miles**

I ran 4 miles on hilly roads and averaged 10:04/mile.

After about 2 hours I walked and ran 2 miles on hilly roads.

In the last week: 25.3 miles

Sat Aug 3, 2019 **5.8 miles**

I ran with our running group in Greendale Cemetery.

warm up: 1.3 miles

Run: 3 x 1.5 miles: The 1.5 mile course went up, down, up and down on the cemetery main road. There was a total ascent of 176 feet over the 1.5 miles. We rested about 4 minutes after the first and second runs.

Times and paces for the runs: 15:11 (10:07/mile), 13:50 (9:13/mile), 13:04 (8:43/mi)

Sun Aug 4, 2019 **no running**

Mon Aug 5, 2019 **6.9 miles**

In the morning I ran 1 mile on a hill with a 250 foot ascent and no descent.

In the afternoon I ran with our running group on the Greendale Cemetery loop.

warm up: 2.25 miles and rest about 8 minutes

Runs and my times:

1x255 m ($\frac{1}{2}$ loop = 255 m), 74s

1x510 m (1 loop = 510 m), 2:34

1x765 m (1.5 loops = 765 m), 4:00

1x765 m, 3:41

1x510 m, 2:21

1x255 m, 62s

We jogged about 255m between the runs.

Warm down: 700m

Tues Aug 6, 2019 **4 miles**

I ran 4 miles on hilly roads and averaged 9:40/mi.

Wed Aug 7, 2019 **5 miles**

I ran with our running group on the Greendale Cemetery loop.

warm up: 2.5 miles including 200m in 55s

Runs and my times:

1x255 m ($\frac{1}{2}$ loop = 255 m), 67s

1x510 m (1 loop = 510 m), 2:26

1x765 m (1.5 loops = 765 m), 3:50

We jogged about 255m after each run.

Warm down: 1.25 miles

Thur Aug 8, 2019 **no running**

Fri Aug 9, 2019 **no running**

In the past week: 21.7 miles

Sat Aug 10, 2019 **10.6 miles**

I ran 10 miles around Tamarack Lake with Tim Dunn.

The first 1.5 miles goes up 324 feet. The course has a total ascent of about 525 feet. Our time was 1:35:10 and we averaged about 9:30/mile. After the first 1.5 miles uphill we averaged about 9:06/mile.

Warm down: After 20 minutes I jogged 0.6 miles.

Sun Aug 11, 2019 **no running**

Mon Aug 12, 2019 **7 miles**

I ran with our running group on the Greendale Cemetery 510 meter loop.

warm up: 3 miles at about 10:30/mile and rest 2 minutes.

Run: 1 x 200 meters and 7 x 510 meters with a 300 meter jog between the runs.

Times for runs: 55s, 2:41, 2:35, 2:31, 2:24, 2:22, 2:11.2(6:54/mile pace), 2:31

The times between the runs averaged about 3:40.

Warm down: 510 meters

Tues Aug 13, 2019 **no running**

Wed Aug 14, 2019 **6 miles**

I ran with our running group on the Greendale Cemetery 510 meter loop.

warm up: 2 miles at about 11:00/mile and rest a few minutes.

Run: 1 x 200 meters and 7 x 510 meters with a 300 meter jog between the runs.

Times for runs: 52s, 2:35, 2:33, 2:32, 2:29, 2:27, 2:25, 2:15

The times between the runs averaged about 3:40.

Warm down: 510 meters

Thur Aug 15, 2019 **4.2 miles**

I ran 4 miles and averaged 9:50/mile. The run included 2.2 miles on hilly roads and 2 miles on the college track.

Fri Aug 16, 2019 **3 miles**

I ran 3 miles on hilly roads and averaged 9:15/mile.

In the past week: 30.6 miles

Sat Aug 17, 2019 **3 miles**

I ran 3 miles on hilly roads and averaged 8:56/mile.

Sun Aug 18, 2019 **no running**

Mon Aug 19, 2019 **4 miles**

I walked 0.1 miles at the beginning of each ½ mile and averaged 12:00/mile for 4 miles.

Tues Aug 20, 2019 **5 miles**

I ran 5 miles and averaged 9:46/mile. The middle mile was in 9:30 on the Allegheny track. The other 4 miles were on hilly roads.

Wed Aug 21, 2019 **6 miles**

I ran with 4 other runners on the 510 meter loop in Greendale Cemetery.

warm up: 2 miles at about 11:00/mile and rest a few minutes

Run:

1 x 200m in 55s with a 200m jog after

2 x 510m in 2:34 and 2:35 with a 300m jog after each

2 x 1020m in 5:11 and 5:17 with a 510m jog after each

1 x 510m in 2:25 with a 510 m jog after

Thur Aug 22, 2019 **5 miles**

I did the same workout as 2 days ago and again averaged 9:46/mile. The middle mile was on the Allegheny track and the other 4 miles were on hilly roads.

Today I started out slower than 2 days ago because I was tired from yesterday's workout. But as I warmed up I felt better and faster.

Tuesday's splits: 10:17, 9:36, 9:30, 10:00, 9:29

Today's splits: 11:06, 9:46, 9:34, 9:29, 8:54

Fri Aug 23, 2019 **4 miles**

I ran 4 miles on roads that were slightly hillier than the 4 miles of roads that I ran yesterday and on Tuesday. I averaged 9:37/mile which was faster today.

In the past week: 27 miles

Sat Aug 24, 2019 **5.5 miles**

I ran with our running group in Greendale Cemetery. Six of us ran.

warm up: 1 mile including ¼ mile up to top of Limber Rd in 2:44

Run: 3 x 1.5 miles: The 1.5 mile course went up, down, up and down on the cemetery main road. There was a total ascent of 176 feet over the 1.5 miles. We rested about 4 minutes after the first and second runs.

We did the same workout on August 3, three weeks ago.

Today's times: 14:33 (9:42/mile), 13:56 (9:17/mile), 12:59 (8:39/mi)

Aug 3rd times: 15:11 (10:07/mile), 13:50 (9:13/mile), 13:04 (8:43/mi)

Sun Aug 25, 2019 **4.65 miles**

I ran near a hotel in Lamar PA on our way to Ortley Beach in NJ.

Run: 2 x out and back 1.5 miles on a hilly road. I rested 3 minutes between the 2 runs.

Times and paces: 14:06 (9:23/mile), 12:03, (8:02/mile)

Warm down: rested a few minutes and jogged ¼ mile

Later on I walked 1.4 miles at about 16:00/mile with Monica.

Mon Aug 26, 2019 **4.5 miles**

We are in Ortley Beach. I ran 4 miles on roads and a boardwalk. The first 2 miles were mainly into a strong wind and the second 2 miles were with the wind.

Mile Splits: 10:17, 9:45, 8:49, 8:08

Time and average pace: 36:59 (9:15/mile)

Tues Aug 27, 2019 **7 miles**

I walked and ran 5 miles on roads and a boardwalk.

First I walked and ran 2.5 miles by alternating 0.15 mile walks and 0.35 mile runs and averaging 12:19/mile.

Then I rested about a minute and walked and ran 2.5 miles by alternating ¼ mile walks and ¼ mile runs and averaging 13:32/mile.

Later on I walked 2 miles at about 16:20/mile with Monica.

Wed Aug 28, 2019 **no running**

Thurs Aug 29, 2019 **4.25 miles**

warm up: 1 mile to the Lavalette boardwalk in 10:32

Run:

1 x the length of the 1.25 mile boardwalk: Time: 11:00 (8:48/mile) into the wind
rest 2 minutes

1 x the length of the boardwalk again: Time: 10:42 (8:34/mile) with the wind

Warm down: 0.75 miles at 10:33/mile

Fri Aug 30, 2019 **no running**

In the past week: 25.9 miles

Sat Aug 31, 2019 **8 miles**

I ran the Stop, Drop and Run 10K Run that started and finished at the Barnegat Municipal Dock in Barnegat, NJ

warm up: 2 miles at various paces

Run: After the halfway point I passed about 5 runners and came in 14th out of 41 runners. Final time and average pace: 53:58 (8:41/mile)

Mile splits: 8:58, 8:49, 8:43, 8:31, 8:40, 8:30

Sun Sept 1, 2019 **no running**

We drove home 460 miles.

Mon Sept 2, 2019 **5 miles**

I ran 5 miles out and back on hilly roads and averaged 10:35/mile. The sum of all the ascents along the course is about 380 feet.

Tues Sept 3, 2019 **1 mile**

I jogged ½ mile to the Wise Center. At center I used weight machines for a full body workout. Then I jogged ½ mile home.

Wed Sept 4, 2019 **6.5 miles**

I ran on the Greendale Cemetery loop with 4 other runners.

warm up: 0.3 mile jog to the cemetery

2 miles on the 510 meter loop averaging about 10:25/mile

a few minute rest and then a 510 meter jog followed by a few minute rest

Run: 1 x 200m, Time: 57s, jog 200m

2 x 510m, Times: 2:43, 2:38, jog 300m after each

2 x 1020m, Times: (2:40+2:34) = 5:14, (2:31+2:26) = 4:57, jog 510m after each

1 x 510m, Time: 2:15.8, jog 510m

Running got easier for me as I ran. That's why my times got faster as I ran. That's also why I need to take a long warm up before racing and running intervals.

Note: 1020m in 4:57 is 7:49/mile, 510m in 2:15.8 is 7:07/mile

Thurs Sept 5, 2019 **1 mile**

I jogged ½ mile to the Wise Center. At the center I used weight machines for about 20 minutes for a full body workout. Then I jogged ½ mile home.

Fri Sept 6, 2019 **4.5 miles**

I ran 4.5 miles on hilly roads and averaged 9:02/mile. The last ½ mile was in 4:00.

In the past week: 26 miles

Sat Sept 7, 2019 **5 miles**

I ran 6 x ½ mile with a ¼ mile jog before each ½ mile run and a ½ mile jog after the last ½ mile run. The jogs were at about 12:30/mile pace.

½ mile times: The first 3 averaged 4:20 and the second 3 averaged 3:57.

Sun Sept 8, 2019 **1 mile**

I ran ½ mile down to the Wise Center in 4:44. At the center I used weight machines for about 22 minutes for a full body workout. Then I ran uphill ½ mile home in 6:25.

Mon Sept 9, 2019 **3.75 miles**

I ran with 6 other runners on the high school track.

warm up: 1.75 miles at various paces

Run: 1 x 200m in 57s followed by a 200m jog

4 x 400m run with a 200m jog between the runs

Times: 1:58, 1:57, 2:01, 1:52

The jogs were at about 12:00/mile.

Warm down: 400m jog

Tues Sept 10, 2019 **no running**

Wed Sept 11, 2019 **5 miles**

I ran with 5 other runners on the high school track.

warm up: 3 miles at various paces including 2 x 200m in 57s and 62s

Run: 3200m in (8:00 + 8:05) = 16:05

Thur Sept 12, 2019 **no running**

We flew to San Diego California for a wedding.

Fri Sept 13, 2018 **3 miles**

I ran 3 miles on a sidewalk that went along the Pacific Ocean shoreline in La Jolla Ca.

In the past week: 17.8 miles

Sat Sept 14, 2019 **3 miles**

I ran 3 miles on a sidewalk that went along the Pacific Ocean shoreline in La Jolla Ca.

Sun Sept 15, 2019 **no running**

Mon Sept 16, 2019 **no running**

We flew home.

Tues Sept 17, 2019 **4 miles**

I walked 4 x $\frac{1}{4}$ mile during the 4 miles and averaged 12:15/mile. The ratio of walking to running distances was $\frac{1}{3}$.

Wed Sept 18, 2019 **5 miles**

I walked and ran 5 miles on hilly roads and grass and averaged 13:30/mile.

I am thinking about walk/run routines I could use in a long run.

Thurs Sept 19, 2019 **5 miles**

I walked and ran 5 miles on hilly roads and averaged 13:00/mile.

Fri Sept 20, 2019 **5 miles**

I walked and ran 5 miles on hilly roads and averaged 13:15/mile.

In the past week: 22 miles

Sat Sept 21, 2019 **6 miles**

I walked and ran 5 miles on hilly roads and averaged 13:15/mile.

Sun Sept 22, 2019 **1 mile**

Half mile run down to the Wise Center.

I used 15 weight machines and did crunches and push ups for a full body workout in 19 minutes.

Rest 1:15 and a half mile run uphill in 6:18

Mon Sept 23, 2019 **9.35 miles**

In the morning I walked and ran 7.35 miles on hilly roads and averaged 13:12/mile. In the afternoon I ran 2 miles on the high school track at various paces with some of the run at about 9:00/mile.

Tues Sept 24, 2019 **1 mile**

Half mile run down to the Wise Center.

I used 15 weight machines and did crunches and push ups for a full body workout in 17 minutes.

for Rest about 1 minute and a half mile run uphill in 5:48

Wed Sept 25, 2019 **9.1 miles**

In the morning I walked about 0.1 mile during each mile and averaged 12:18/mile 6 miles on hilly roads.

In the afternoon I ran with 5 other runners on the high school track.

1.75 mile warm up at about 10:00/mile and rest a few minutes

1 x 200, 4 x 400, 1 x 200 with about a 350m jog after each run.

Times: 57s, 2:00, 1:58, 2:01, 1:59, 57s

Thur Sept 26, 2019 **5 miles**

I walked and ran 5 miles on hilly roads and averaged 13:08/mile.

Fri Sept 27, 2019 **5 miles**

warm up: 1 mile to the Allegheny College track in 9:40 and rested 4 minutes.

Run: 3 miles on the track in 26:11. I ran slightly wide on the turns so each lap was $\frac{1}{4}$ mile. Splits: 8:55, 8:53, 8:23

The $\frac{1}{4}$ mile splits for the last mile: 2:11, 2:09, 2:06, 1:57

Warm down: rest a few minutes and jog 1 mile home

In the past week: 36.5 miles

Sat Sept 28, 2019 **6.25 miles**

Run: I ran 5.75 miles with Jim Fitch and averaged 10:45 including the uphill first mile in 12:02 and downhill last ½ mile in 4:45.

Warm down: After talking for a while I jogged ½ mile home.

Sun Sept 29, 2019 **6 miles**

I ran 6 miles out and back on a course with a total ascent of 443 feet.

Splits: 10:01, 10:00, 9:57, 10:00, 9:51, 7:57 Average pace: 9:38

I tried to run about 10:00 for each of the first 5 miles.

Mon Sept 30, 2019 **5 miles**

I ran with 4 other runners on the high school track

warm up: 2 miles in 10:15 + 9:34 = 19:49 and rest a few minutes

Run: 2 x 200m, 6 x 400m with a 200m jog after each.

Times: 58s, 1:02, 2:02, 2:00, 2:02, 1:54, 2:02, 1:59

Warm down: jog 600m

Tues Oct 1, 2019 **5 miles**

I walked and ran 5 miles on hilly roads and averaged 13:00/mile.

Wed Oct 2, 2019 **4.75 miles**

I ran on the high school track with 6 other runners.

warm up: 2.25 miles at about 10:20/mile, 1 x 200 in 64s, and jog 200m

Run: 2 miles in 16:11, Splits: 8:12, 7:59

warm down: 400m jog

Thur Oct 3, 2019 **7.35 miles**

I ran and walked 7.35 miles on hilly roads and averaged 12:30/mile.

Fri Oct 4, 2019 **6 miles**

I ran 6 miles on a hilly course and averaged 11:23/mile.

In the past week: 40.35 miles

Sat Oct 5, 2019 **16 miles**

I ran and walked 16 miles with Jim Fitch on somewhat hilly roads.

5 miles averaging 13:17/mile and rest about 4 minutes

5 miles averaging 12:58/mile and rest about 4 minutes

5.5 miles averaging 12:27/mile

After resting a few minutes I jogged ½ mile home.

Sun Oct 6, 2019 **no running**

Mon Oct 7, 2019 **9.6 miles**

In the morning I ran and walked 7 miles on hilly roads.

I ran the first 2 miles without walking and averaged 10:30/mile. For the last 5 miles I walked 0.2 miles at the beginning of each ½ mile and ran the rest. The average pace while I was walking and running was about 13:00/mile.

In the afternoon I ran and jogged 3.6 miles on the high school track.

The workout included a 1.5 mile warm up and: 1 x 200m (66s), 1 x 400m (2:27), 1 x 800m (4:56), 1 x 400m (2:30), 1 x 200m (60s).

I jogged 200m or 400m after each run, and warmed down with a 400m jog.

Tues Oct 8, 2019 **no running**

Wed Oct 9, 2019 **7.75 miles**

In the early afternoon I ran and walked 4 miles on hilly roads.

The first 2 miles I ran without walking and averaged 9:41/mile.

The next 2 miles I walked 0.2 miles at the beginning of each ½ mile and averaged: 13:03/mile

In late afternoon I ran with 6 other runners on the high school track.

Warm up: 1.5 miles at about 10:00/mile and rest a few minutes

Run: 2 x 200m in 58s and 59s and 4 x 400 in 2:03, 2:00, 1:58, 1:59

We jogged 200m after each run and another 400m at the end to warm down.

Thurs Oct 10, 2019 **no running**

Fri Oct 11, 2019 **7 miles**

I ran 7 miles on hilly roads and averaged 11:03/mile

In the past week: 40.4 miles

I signed up for the Erie Endurance Run next Saturday October 19. I am not going to run too much leading up to that event.

Sat Oct 12, 2019 no running

Sun Oct 13, 2019 3 miles

I ran 3 miles on hilly roads and averaged 11:04/mile.

Mon Oct 14, 2019 2.5 miles

I ran and jogged 2.5 miles

Tues Oct 15, 2019 no running

Wed Oct 16, 2019 2 miles

I ran and jogged 2 miles

Thur Oct 17, 2019 2.5 miles

I ran 2.5 miles on the Wise Center indoor track.

Splits: 10:20, 10:47, 5:29

Fri Oct 18, 2019 2.5 miles

I ran 2.5 miles on a treadmill at the Wise Center.

In the past week: 12.5 miles

Sat Oct 19, 2019 23.1 miles

I did okay at the Erie Endurance Run on Saturday. During the twelve hour period between 6:30AM and 6:30PM runners could start at any time they wanted and run as many 1.05 mile loops around a park as they wanted. Because it was cold at 6:30AM, I started running at 9:00AM when the sun was out and it was a little warmer. The course is relatively easy compared to other ultra marathon courses with two slight up hills. One is about 400m long and the other about 300meters long. There is one slight downhill that is about 500m long. I ran an even

pace with very short walks to drink out of a bottle of Gatorade or defizzed Coke that I carried. Mary Jane gave me a full bottle every 5 loops or so. I ran 22 loops in 4:23:56 and covered 23.1 miles. At the 22 loop point I felt myself getting tired even though I was still running the same pace. I was happy with my run and didn't feel like walking and running which I think I could have. Many runners ran and walked for eleven or twelve hours with one of them covering 55.7 miles. I had the 16th longest distance out of 40 participants. My average pace was 11:26/mile which was 4th fastest out of 40. Maybe next time I will try walking more in this event and lasting longer.

Sunday to Thursday Oct 20 and 24 **no running**
I have been sick with a cold.

Fri Oct 25, 2019 **2.5 miles**

I ran 2.5 miles in 25 minutes on a treadmill at the Allegheny College Wise Center.

In the past week: 25.6 miles

Sat Oct 26, 2019 **no running**

Sun Oct 27, 2019 **3 miles** I ran 3 miles on a treadmill at the Wise Center in 30:00.

Mon Oct 28, 2019 **4.5 miles**

In ran on the high school track with 5 other runners.

Warm up: 1.5 miles at various paces between 11 and 10 minutes per mile.

Run: 1 x 200m and 7 x 400m with a 200m jog between the runs.

Times: 1:02, 2:16, 2:15, 2:21, 1:58, 2:27, 1:51, 2:18

Warm down: jog 400m

Tues Oct 29, 2019 **no running**

Wed Oct 30, 2019 **5 miles**

In ran on the high school track with 5 other runners

Warm up: 2 miles in 10:25 and 9:15. Rest 7 minutes.

Run: 1 x 200m, 1 x 400m, 3 x 600m, 1 x 400m, 1 x 200m

We jogged 300m after each 600m and 200m after all the rest.

Times: 58s, 1:59, 3:00, 2:54, 2:51, 1:53, 50.6s

Thurs Oct 31, 2019 **2 miles** averaging 9:28/mile on a Wise Center treadmill.

Fri Nov 1, 2019 **No running**

In the past week: 14.5 miles

Sat Nov 2, 2019 **3.5 miles**

I ran on a treadmill in the Wise Center.

Warm up: 1 mile in 10:00 and rest 8:00

Run: 4 x ¼ mile in 2:15, 2:15, 2:15, 2:10 with a ¼ mile jog in about 2:30 before each

Warm down: ½ mile in 5:15

Sun Nov 3, 2019 **5 miles**

I ran 5 miles with Jim Fitch on slightly hilly roads. We ran faster with each mile and averaged 10:25/ mile. The last half mile was up and down hill in about 4:25.

Mon Nov 4, 2019 **4.5 miles**

I ran with 4 other runners on the high school track.

Warm up: 1.5 miles averaging about 10:15/mile. Rest 6 minutes

Run: 2 x 200m, 5 x 400m with about 200 to 300m jogs between the runs

Times: 1:10, 1:10, 2:21, 2:21, 2:19, 2:19, 2:10.8

Warm down: 400m jog

Tues Nov 5, 2019 **6 miles**

Warm up: ½ mile down to the Wise Center in about 5:00 and 3:30 rest

Run: 5 miles on a treadmill in 47:20 or 9:28/mile

Splits: 9:57, 9:47, 9:32, 9:26, (4:42 + 3:57) = 8:39, After the 3rd mile running got easier.

Warm down: ½ mile in 5:11

Wed Nov 6, 2019 **6 miles**

In the morning I ran ½ mile down and then ½ mile up hill at a good pace.

In the afternoon I ran on the high school track with 3 other runners.

Warm up: 1.5 miles at about 10:30/mile.

Run: 1 x 200m, 2 x 400m, 2 x 800m. 2 x 400m, 1 x 200m

Times: 63s, 2:12, 2:10, 4:22, 4:14, 2:02, 2:02, 57s

We jogged ¼ mile after the the 800m runs and 200m after all the other runs.

Thur Nov 7, 2019 **no running**

Fri Nov 8, 2019 **6 miles**

I ran a Wise Center treadmill.

Warm up: 1 mile at various paces between 10:30/mile and 8:30/mile and rest 3:00

Run: 5 miles in 43:00 or 8:36/mile

Spits: 8:57, 8:49, 8:41, 8:23, 8:10

I ran a lot faster than 3 days ago.

In the past week: 27.5 miles

Sat Nov 9, 2019 **5 miles**

Run: 5 miles on a Wise Center treadmill in 47:47 or 9:33/mile

Splits and pulses at the end of each mile:

9:57 (?), 9:08 (?), 9:19 (143bpm), 9:34 (143bpm), 9:51 (144bpm)

I had to slow in order to keep my pulse from rising.

Sun Nov 10, 2019 **3 miles**

Run: 3 miles on a Wise Center treadmill in 28:30 or 9:30/mile

Approximate splits: 10:00, 9:30, 9:00 Pulse at the end : 142bpm

Mon Nov 11, 2019 **5.5 miles**

Run: 5 miles on a Wise Center treadmill in 47:25 or 9:29/mile

Splits and pulses at the end of each mile:

9:43 (132bpm), 9:30 (137bpm), 9:16 (142bpm), 9:22 (142bpm), 9:33 (143bpm)

Warm down: ½ mile in about 5:30

Tues Nov 12, 2019 **4 miles**

Run: 3 miles on a Wise Center treadmill in 28:28 or 9:29/mile

Splits: 9:45, 9:31, 9:12 Pulse at the end: 139bpm

Warm down: 1 mile in about 11:00

Wed Nov 13, 2019 **no running**

Thur Nov 14, 2019 **6 miles**

Run: 5 miles on a Wise Center treadmill in 46:35 or 9:19/mile

Splits and pulses at the end of each mile:

9:29 (125bpm), 9:01 (142bpm), 9:07 (142bpm), 9:25 (143bpm), 9:32 (142bpm)

Warm down: 1 mile in 11:00

Compare to 3 days ago. Today I could run faster and still maintain a pulse of 142bpm at the end of the run.

Fri Nov 15, 2019 **5.6 miles**

Warm up: 0.1 mile lead into a 5 mile run on a Wise Center treadmill.

Run: 5 miles in 46:43 or 9:21/mile

Splits and pulses at the end of each mile:

9:27 (123bpm), 9:18 (138bpm), 9:13 (142bpm), 9:17 (141bpm), 9:26 (142bpm)

Warm down: ½ mile in about 5:30

Mile splits were more consistent today than yesterday. And today I was running faster at the end of 5 miles than yesterday even though my pulse was 142bpm at the end of each run. I should try to run each mile at 9:20/mile and see what my final pulse is.

In the past week: 29.1 miles

Sat Nov 16, 2019 **5.5 miles**

I ran on a Wise Center treadmill.

Warm up: 1 mile in 9:11 at various paces some as fast as 8:35/mile

Run: 1 x ½ mile, 4 x ¼ mile, 1 x ½ mile. I jogged ¼ mile before each run. The jogging pace was about 12:00/mile.

Times for runs: 4:00, 2:00, 2:00 (147bpm), 2:00, 2:00 (148bpm), 4:00 (153bpm)

The 3 pulse rates given are the pulses at the end of a run.

Warm down: ½ mile in in 6:00.

Sun Nov 17, 2019 **no running**

Mon Nov 18, 2019 **6 miles**

Warm up: ½ mile run down to the Wise Center, and a few minute rest

Run: 5 miles in 44:35 or 8:55/mile

Mile splits and pulses at the end of each mile:

9:19 (143 bpm), 9:04 (144 bpm), 8:57 (1:50 bpm), 8:50 (155 bpm), 8:25 (163 bpm)

The last ¼ mile was in 2:01.

Warm down: ½ mile in about 6:00

Tues Nov 19, 2019 **6.9 miles**

Warm up: 0.6 miles down to the Wise Center and 0.05 mile lead into a 6 mile run on a Wise Center treadmill.

Run: 6 miles in 56:50 or 9:28/mile

Splits and pulses at the end of each mile:

9:30 (133bpm), 9:22 (137bpm), 9:36 (140bpm), 9:30 (142bpm), 9:23 (144bpm)

9:29 (145bpm)

Warm down: 1/4 mile in about 2:40

Wed Nov 20, 2019 **no running**

Thur Nov 21, 2019 **2.85 miles**

I ran on a Wise Center treadmill.

Warm up: 0.1 mile lead into 2 miles, 2 miles in 9:48 and 9:31 and a 4 minutes rest

Run: 0.25 miles in about 2:30 and 0.7 miles at 8:00/mile pace.

Warm down: ½ mile in 6:00

Fri Nov 22, 2019 **5.3 miles**

I ran on a Wise Center treadmill

Warm up: 0.05 mile lead into 2 miles, 2 miles in 9:31 and 9:01 and a 4 minutes rest

Run: 6 x ¼ mile in 2:00 with a ¼ mile jog before each run in about 3:00.

Pulses at the end of each run: ?, 150, 151, 152, 150, 153

Warm down: ¼ mile in about 2:30

In the past week: 25.55 miles

Sat Nov 23, 2019 **5.8 miles**

I ran on a Wise Center treadmill.

Warm up: 0.5 miles at various paces and rest 4 minutes

Run: 0.05 mile lead into a 5 mile run, Time for run 45:46 or 9:09/mile

Mile splits and pulses at the end of each mile:

8:58 (?), 9:02 (141 bpm), 9:06 (143 bpm), 9:19 (141 bpm), 9:21 (142 bpm)

Warm down: ¼ mile in 2:45

Sun Nov 24, 2019 **no running**

Mon Nov 25, 2019 **5.75 miles**

I ran on a Wise Center treadmill.

Warm up: 0.1 mile lead into a 2 mile run. Mile splits: 9:25, 8:58, Pulse at end: 143 bpm
Rest 4:00, My pulse after 1:00 of rest was 100bpm, and after the 4:00 rest it was 81 bpm.

Run: 4 x ¼ mile and 1 x 1 mile with a ¼ mile jog before each run. The ¼ mile runs
where all in 2:00 and the mile was in 8:00. the ¼ mile jogs took about 3:00.

Pulses after ¼ mile runs: 149, 150, 150, 151 bpm. Pulse at the end of the mile run: 159
bpm

Warm down: ½ mile in about 6:00.

Tues Nov 26, 2019 **6 miles**

I ran 6 miles on roads. The first mile was mainly up hill and the last mainly down.

Run: 2.5 miles in 24:52 or 9:56/miles. The first mile was in 10:32

Recovery: ¼ mile jog in 2:38, rest 3:00, ¼ mile jog in 2:34

Run: 2.5 miles in 22:49 or 9:05/miles. The last mile was in 8:42

Warm down: ½ mile in 5:54

Wed Nov 27, 2019 **3.5 miles**

Run: I ran on a hill in Greendale Cemetery. The hill has an ascent of 153 feet in ½ mile
without any level or down hill. I started at the top and ran down and then up three times
with a 2 min rest between each mile.

Times: (5:55+6:24)=12:12, (4:54+6:14)=11:08, (4:13+5:14)=9:27

Warm down: 2 minutes rest, ½ mile jog

Thurs Nov 28, 2019 **no running**

Fri Nov 28 – Sun Nov 1, 2019 **no running**

I have a cold.

In the last week: 21 miles

Mon Dec 2, 2019 **3.25 miles**

I ran on a Wise Center treadmill.

Run 3 miles: 10:00, 9:58, 9:30. I ran the 3rd mile faster as I ran and ended at 8:58/mile.

Warm down: ¼ mile walk

Tues Dec 3, 2019 **4.25 miles**

I ran on a Wise Center treadmill.

Run 4 miles: Approximate splits and pulses:10:00, 9:30, 9:00(155 bpm), 10:00(142 bpm)

Warm down: ¼ mile walk

I still am experiencing the effect of the cold I am recovering from.

Wed Dec 4, 2019 **4.5 miles**

I ran on a Wise Center treadmill.

Run 3 miles: Approximate splits and pulses:10:00(139 bpm), 9:30(143 bpm), 9:00(155 bpm), 10:00(146 bpm)

Warm down: ½ mile walk in about 7:30(108 bpm))

I felt a little better than yesterday.

Thur Dec 5, 2019 **no running, we drove 400 miles to California MD**

Fri Dec 6, 2019 **4.4 miles**

Run: 4.15 miles on rolling hills in California MD

Splits: 9:52, 9:29, 9:29, 9:18, and the last 0.15 miles at 7:45/mile pace

Warm down: 0.25 mile walk

In the last week: 16.4 miles

Sat Dec 7, 2019 **4.5 miles**

I ran on a course that had rolling hills but it wasn't the same one as yesterday.

Warm up: ¼ mile jog

Run: 4 miles in 39:01 or 9:45/mile

Splits: 10:11, 9:45, 9:55, 9:10

Warm down: ¼ mile jog

Sun Dec 8, 2019 **no running**

Mon Dec 9, 2019 **3.6 miles**

I ran on a treadmill in the Country Inn in California MD.

Run: 3.6 miles

Approximate splits and pulses:

9:45 (?), 9:30 (143 bpm), 9:00 (156 bpm)

Warm down: 0.6 miles at about 9:55/mile pace

Tues Dec 10, 2019 **4.9 miles**

I ran the same course as thee days ago with rolling hills.

Warm up: ¼ mile jog

Run: 4 miles in 37:18 or 9:20/mile

Splits and pulses: 9:42(?), 9:30 (106 bpm), 9:30 (143 bpm), 8:37 (165 bpm)

Warm down: 0.65 mile jog

Wed Dec 11, 2019 **3.25 miles**

Run: I ran 3 miles on slightly rolling sidewalks and roads in California MD.

Time: 31:45, or 10:35/mile Splits: 11:19, 10:40, 9:46

Warm down: ¼ mile in about 3:00

Thur Dec 12, 2019 **no running**, We drove 400 miles home.

Fri Dec 13, 2019 **4.85 miles**

I ran in the Wise Center.

Run: On the indoor track: I ran 1 mile in 8:45. Final pulse: 151 bpm, rest 8:00

On a treadmill: 4 x ¼ mile and 1 x 0.6 miles. The pace for all the runs was 8:00/mile. I jogged ¼ mile before each run in about 3:00.

Warm down: ¼ in 3:00

In the last week: 21.1 miles

Sat Dec 14, 2019 **no running**

Sun Dec 15, 2019 **no running**

Mon Dec 16, 2019 **5 miles**

I ran 5 miles on a Wise Center treadmill in 47:15 or 9:27/mile

Approximate splits and pulse at the end of each mile:

9:45 (?), 9:15 (140 bpm), 9:15 (149 bpm), 9:00 (153 bpm), 10:00 (142 bpm)

Tues Dec 17, 2019 **6.35 miles**

I ran on a Wise Center treadmill.

Warm up: 1 mile in about 9:35 and rest 5 minutes

Run: 0.1 mile lead into a 5 mile run in 47:56 or 9:35/mile

Mile splits and pulses at the end of each mile:

9:13 (143 bpm), 9:24 (143 bpm), 9:35 (143 bpm), 9:45 (143 bpm), 9:58 (143 bpm)

Wed Dec 18, 2019 **no running**

Thur Dec 19, 2019 **4 miles**

I ran on a Wise Center treadmill

Warm up: 2 miles in 9:45 + 9:15 = 19:00, final pulse: 145 bpm, rest 4:00

Run: 0.25 mile lead into a 1.25 mile run at 8:00/mile pace

Final pulse: 164 bpm

Warm down: ½ mile in 5:30

On Nov 21, 2019 I had a similar workout but stopped after 0.7 miles at 8:00/mile pace because I was pushing too hard. Today I could have kept running beyond 1.25 miles at that same pace.

Fri Dec 20, 2019 **4 miles**

I ran on a Wise Center treadmill

Warm up: 2.25 miles. The warm up included 2.15 miles at an average pulse of 9:30/mile. Final pace: 8:57/mile, final pulse: 145 bpm, rest 4:00

Run: 0.25 mile lead into a 1 mile run at 8:00/mile pace

Final pulse: 160 bpm

Warm down: ½ mile in about 5:30

I felt tired from yesterday's workout and stopped the faster run after 1 mile.

Yesterday I felt good after 1.25 miles.

In the last week: 19.35 miles

Sat Dec 21, 2019 **4 miles**

I ran 4 miles on hilly roads in Greendale Cemetery going faster as I ran.
Splits: 12:28, 12:40, 10:58, 9:45

Sun Dec 22, 2019 no running

Mon Dec 23, 2019 **4 miles**

I ran 4 miles on hilly roads and up and down Greendale Cemetery hills.
Splits: 11:51, 11:51, 10:15, 10:23

Tues Dec 24, 2019 **4 miles**

I ran 2 miles mainly downhill to the high school track in 20:20 and the 2 miles on the track in 20:14

Wed Dec 25, 2019 **no running**

Thur Dec 26, 2019 **5 miles**

It was surprisingly 57 degrees and I ran with shorts and a long sleeve shirt. It was a nice run on a hilly course with the first mile mainly up hill and the last mile down. Time: 50:30 or 10:06/mile.
Splits: 10:47, 10:34, 10:23, 10:01, 8:43

Fri Dec 27, 2019 **5.25 miles**

It was a nice day again.

Warm up: 1 mile on hilly Limber Rd near my house in 10:44 and rest 8:00.

Run: 4 miles on hilly roads in 36:07. Sum of ascents: 267 feet

This is one of my fastest times on this course.

Splits:

July 4, 2018: 9:18, 9:12, 8:41, 8:34 Average pace: 8:56

May 19, 2019: 9:42, 9:12, 8:44, 8:16 Average pace: 8:59

July 6, 2019: 9:58, 8:55, 8:55, 8:09 Average pace: 8:59

Today: 9:27, 9:18, 8:48, 8:34 Average pace: 9:02

Warm down: ¼ mile of walking and running

In the last week: 22.25 miles

Sat Dec 28, 2019 **4 miles**

I jogged the same hilly 4 mile course that I ran yesterday.

Time: about 46 minutes

Sun Dec 29, 2019 **4.2 miles**

I ran 4.2 miles on Limber Rd, Ryan Rd, N Main, and Limber Rd.

Time: 43:17 or about 10:20/mile on a hilly course

Mon Dec 30, 2019 **no running**

Tues Dec 31, 2019 **no running**

Wed Jan 1, 2010 **no running**

Thur Jan 2, 2019 **5 miles**

I ran on a treadmill in the Wise Center.

Warm up: 1 mile in 9:25 going faster as I ran and rest about 5:00

Run: 6 x $\frac{1}{4}$ mile with a $\frac{1}{4}$ mile jog before each run.

The runs were all in 2:00 and the jogs in 3:00.

Pulses at the end of each run: 147, 149, 151, 153, 154, 155 bpm

Warm down: $\frac{1}{2}$ mile in 3:00 + 2:30 = 5:20 and rest a few minutes,
 $\frac{1}{2}$ mile jog home

Fri Jan 3, 2019 **5 miles**

I ran on a treadmill in the Wise Center.

Warm up: 1 mile in 9:20 going faster as I ran and rest about 5:00

Run: 6 x $\frac{1}{4}$ mile with a $\frac{1}{4}$ mile jog before each run.

The runs were all in 2:00 and the jogs in 3:00.

Pulses at the end of each run: 149, 150, 152, 154, 155, 156 bpm

Warm down: 1 mile in about 11:00

I felt better than yesterday.

In the past week: 18.2 miles

Sat Jan 4, 2020 **2.25 miles**

Run: I ran 1 mile out and 1 mile back on hilly Limber Rd. After the first mile I rested about 2:00. Times: 10:21 and 8:28

Warm down: $\frac{1}{4}$ mile jog

Sun Jan 5, 2020 **no running**, I am experiencing a reaction to a shingle shot.

Mon Jan 6, 2020 **4 miles**

I ran 4 miles on a Wise Center treadmill.

Splits and pulses at the end of each mile:

10:00 (124 bpm), 9:30 (139), 9:01 (152), 10:00 (146)

Tues Jan 7, 2020 **4.25 miles**

I ran on a Wise Center treadmill.

Warm up: 1 mile in 9:22 and rest about 4:00

Run: 3 x $\frac{1}{4}$ mile and 1 x $\frac{1}{2}$ mile, all at 8:00/mile pace, before each run I jogged $\frac{1}{4}$ mile

Warm down: rest 10 minutes and 1 mile on the indoor track in 9:45

Wed Jan 8, 2020 **no running**

Thur Jan 9, 2020 **4 miles**

I ran on the Wise Center indoor track.

Warm up: 1 mile in 9:26, final pulse: 147

Run: 6 x $\frac{1}{4}$ mile with a $\frac{1}{4}$ mile jog after each run.

Times and pulses at the end of each run:

2:00 (153 bpm), 1:58 (155), 2:00 (158), 1:59 (1:60), 1:58 (161), 1:52.1 (163)

The jogs were all about 3:00

Fri Jan 10, 2020 **no running** We drove to Pittsburgh and then later to New Alexandria PA.

In the past week: 14.5 miles

Sat Jan 11, 2020 **3.5 miles**

I ran on a 1 mile loop down and up hill in New Alexandria PA.

Run: 3 x 1 mile with a 4:00 rest between the runs

Times: 9:48, 8:52, 8:29

Warm down: ½ mile jog

Sun Jan 12, 2020 **no running**

Mon Jan 13, 2020 **5.5 miles** I ran on a Wise Center treadmill.

Warm up: ½ mile down to the Wise Center

Run: 1.5 miles going faster as I ran. I ended at 8:00/mile pace and averaged 9:02/mile.

After resting 4 minutes I ran 6 x ¼ mile with a ¼ mile jog before each run.

Times were all 2:00 for the runs.

Pulse at the end of each run: 149 bpm, 151, 152, 153, 154, 154

Pulses at the beginning of each run about: 110 bpm, 115, 116, 122, 124, 121

The jogs took about 3:00.

Warm down: ½ mile in about 6:00

Tues Jan 14, 2020 **6.8 miles** I ran on a Wise Center treadmill.

Warm up: ½ mile down to the Wise Center

Run: 6.31 miles in 1 hour or 9:30.5/mile

Spits and pulses at the end of each mile:

9:59 (125bpm), 9:31 (138), 9:00 (148), 8:30 (154), 9:13 (150), 10:48 (143),
and 0.31 miles in 2:59

Wed Jan 15, 2020 **2 miles**

I road a 160 calorie ride on a stationary bike and take this to be roughly equivalent to a 1.5 mile run. Then I walked ½ mile on the indoor track.

Thur Jan 16, 2020 **6.25 miles** I ran on a Wise Center treadmill.

Warm up: ½ mile down to the Wise Center

Run: 1.5 miles going faster as I ran and averaged 9:06/mile.

After resting 5 minutes I ran 6 x ¼ mile with a ¼ mile jog before each run.

Times were all 2:00 for the runs.

Pulse at the end of each run: 146 bpm, 148, 149, 150, 151, 150

The jogs took about 3:00.

Warm down: ½ mile in about 5:30

rested a few minutes, ¾ mile walk on the indoor track with first ½ mile in 7:17

Fri Jan 17, 2020 **7.75 miles** I ran on a Wise Center treadmill.

Warm up: ½ mile down to the Wise Center

Run: 6.50 miles in 1 hour or 9:13.9/mile

Spits and pulses at the end of each mile:

9:38 (125bpm), 9:29 (138), 9:24 (148), 9:16 (154), 9:09 (150), 8:58 (143),

and 0.50 miles in (2:06 + 2:00) = 4:00 **Warm down:** ½ mile 2:45 and ½ mile jog home

In past week: 31.8 miles

Sat Jan 18, 2020 **no running**

Sun Jan 19, 2020 **4.75 miles**

I ran on a Wise Center treadmill

Warm up: 1.5 miles averaging 9:10/mile and going faster as I ran and rest about 4 minutes

Run: 6 x 0.2 miles with a 0.3 mile jog before each run

The first 4 runs were at 8:00/mile pace and the last 2 runs were in 7:30/mile pace.

The jogs were all about 12:00/mile pace.

Pulses at the end of the runs: 148 bpm, 151, 153, 155, 153, 155

Warm down: ¼ mile in about 3:00

Mon Jan 20, 2020 **8 miles**

I ran on a Wise Center treadmill.

Warm up: 1 mile in 9:23 at various paces and rest about 6:00

Run: 6.75 miles in 60:12 or 8:55/mile

Splits and pulses at the end of each mile:

9:08 (139 bpm), 8:59 (143), 8:57.3 (147), 8:57.3 (149), 8:57.3 (149), 8:57.3 (150)

I ran the last 0.75 miles in 6:16 (158) or at a pace of 8:22/mile with the last ¼ mile at 8:00/mile.

Warm down: ¼ mile in about 3:00

Faster workouts are starting to get me in better shape.

Tues Jan 21, 2020 **2 miles**

Wed Jan 22, 2020 **5.5 miles**

I ran on a Wise Center treadmill.

Warm up: 3 miles with incline at 0.5%, Splits: 9:59, 9:31, 9:01, Final pulse: 146 bpm, rest 4:00

Run: Incline at 0%, 1.5 miles at 8:00/mile pace, Final pulse: 163 bpm

Warm down: ½ mile in about 6:00 and ½ mile jog home

Thur Jan 23, 2020 **no running**

Fri Jan 24, 2020 **6.5 miles**

I ran on a Wise Center treadmill.

Warm up: 3 mile, Approximate splits and pulses at the end of each split:

10:00 (125 bpm), 9:30 (135), 9:00 (142), rest 4:00

Run: 3 x ½ mile with ¼ mile jog before each run

Times and pulses at the end of each run: 3:56.8 (152 bpm), 3:53.8 (156), 3:47.9 (158)

Warm down: ¾ miles at about 11:00/mile and ½ mile jog home

In the past week: 26.75 miles

Sat Jan 25, 2020 **5 miles**, I ran on a Wise Center treadmill and did a 142 bpm test.

Run: I ran 5 miles. Splits and pulses at the end of each mile:

9:34 (133 bpm), 9:03 (142), 9:08 (142), 9:27 (142), 9:37 (142)

I have done similar tests for years. The following are the rules I will be using for a while for the test.

1. For the first mile start running at about 9:50/mile pace and increase the speed during the mile so that at the end of the mile the average pace is about 9:30/mile. At the end of the mile start the wrist stop watch. Remember the time for the mile as read from the treadmill display and heart rate (HR) as read from HR monitor on GPS. The HR will be less than 142 bpm.
2. Continue to increase speed during the second mile and then adjust the speed up or down near the end of the second mile so the HR is 142 +/- 1 bpm at the end of the second mile. At the end of the second mile record the split on the stop watch and remember the HR which should be close to 142 bpm.
3. Continue adjusting the speed so HR stays near 142. Also continue taking splits for each mile and remembering HR at the end of each mile. Stop running after a mile split goes above 9:30.
4. After doing this test maybe once or twice a week for a while, you will be able to run more and more miles during the test. It will be necessary then to lower the upper limit on the last mile split from 9:30 to maybe 9:20 or lower.

Sun Jan 26, 2020 **6.5 miles** I ran on a Wise Center treadmill.

Warm up: 2 miles, Splits and pulses at the end of each mile: 9:29 (129 bpm), 9:00 (139)

Run: 8 x ¼ mile with ¼ mile jog before each run.

Times for runs and pulses at the end of each:

1:58.4 (145 bpm), 1:58.4 (149), 1:58.4 (150), 1:58.4 (151), 1:56.9 (153), 1:56.9 (153), 1:56.9 (153), 1:52.5 (155), The jogs were all about 3:00.

Warm down: ½ mile in about 5:30

Mon Jan 27, 2020 **no running**

Tues Jan 28, 2020 **5.5 miles, I ran on a treadmill and did 142 bpm test like I did 3 days ago.**

Run: I ran 5 miles. Splits and pulses at the end of each mile:

9:29 (135 bpm), 9:59 (143), 9:10 (142), 9:22 (142), 9:37 (142)

The result was about the same as 3 days ago.

Warm down: ½ mile in about 5:30

Wed Jan 29, 2020 **5.5 miles** I ran on a Wise Center treadmill.

Warm up: 3 miles with incline at 0.5%, Approximate Splits: 10:00, 9:30, 9:00,

Final pulse: 139 bpm, rest 4:00

Run: Incline at 0%, 2 miles at 8:00/mile pace,

Pulse at the end of each ½ mile: 151 bpm, 155, 158, 156

Warm down: ½ mile in about 5:30

I ran better today than one week ago, Jan 22, 2020 no

Thur Jan 30, 2020 **no running**

Fri Jan 31, 2020 **4.5 miles** I ran on a Wise Center Treadmill.

Run: 4 miles in 36:08 or 9:02/mile,

Splits and pulses at the end of each mile: 9:17 (135 bpm), 8:57 (139), 8:57 (142), 8:57 (147)

Warm down: ½ mile in about 5:30

In the past week: 27 miles

Sat Feb 1, 2020 **2.5 miles**

I road a 210 calorie ride on a stationary bike and take this to be roughly equivalent to a 2mile run. Then I walked 1/2 mile on the indoor track in 7:46.

Sun Feb 2, 2020 **4.5 miles**

I ran on a Wise Center treadmill.

Run: 4 miles, Approximate Splits and pulses at the end of each mile:

10:00 (121 bpm), 9:30 (127), 9:00 (136), 10:00 (124)

Warm down: ½ in 5:30 (118 bpm)

Compare today's workout to the one on Jan 6, 2020. Pulses much lower today.

Mon Jan 6, 2020 4 miles

Run: 4 miles on a Wise Center treadmill.

Splits and pulses at the end of each mile:

10:00 (124 bpm), 9:30 (139), 9:01 (152), 10:00 (146)

Mon Feb 3, 2020 **4.5 miles**

Run: 4 miles on hilly roads and averaged 10:14/mile.

Warm down: ½ mile in about 5:30

Tues Feb 4, 2020 **5 miles total, (Run:4 miles, Walk: 1 mile)**

I ran and walked 5 miles on hilly roads and averaged 11:55/mile.

After 1.5 miles I walked 8 time for a total of 1 mile of walking.

Wed Feb 5, 2020 **4 miles total, (Run:3.2 miles, Walk: 0.8 mile)**

I ran and walked 4 miles on hilly roads and averaged 11:44/mile.

I walked 0.1 miles at the beginning of each ½ mile.

Thurs Feb 6, 2020 **4 miles**

I ran on a treadmill in the Wise Center.

Warm up: 2 miles 9:30 and 8:57, final pulse 142 bpm, rest 4:00

Run: 2 x ¼ mile and 1 x ½ mile all at 8:00/mile pace. I jogged ¼ mile before each run and one at the end in about 3:00 each.

Fri Feb 7, 2020 **3.25 miles**

I ran on a Wise Center treadmill.

Run: 3 miles in 27:00,

Approximate splits and pulses at the end of each split:

9:30 (131 bpm), 9:00 (137), 8:30 (147)

Warm down: 0.25 miles in about 3:00

In the past week: 27.75 miles

Sat Feb 8, 2020 **3.5 miles**

I ran on the indoor track in the Wise Center.

Run: 3 miles in 28:08, **Splits:** 9:40, 9:20, 9:06

Warm down: ½ mile in about 6:00

Sun Feb. 9, 2020 **3.25 miles**

I ran on the indoor track in the Wise Center.

No Warm up

Run: 1 mile in 4:37 + 4:21 = 8:58 and 4 x ¼ mile, Times: 2:08, 2:07, 2:06 and 2:00

¼ mile jog after each run, each in about 3:00

Mon Feb 10, 2020 **7.5 miles (Run: 6.25 miles, Walk: 1.25 miles)**

Warm up: ½ mile jog to Wise Center

Run and Walk: I ran and walked 6.5 miles on the indoor track. I walked about 0.1 miles at the beginning of each ½ mile and averaged about 11:55/mile

Warm down: ½ mile jog home

Tues Feb 11, 2020 **no running**

Wed Feb 12, 2020 **6.5 miles (Run: 5.5 miles, Walk: 1 miles)**

I ran and walked on the Wise Center indoor and practiced a routine for running and walking a 50 miler on a relatively level course.

Run and Walk: I ran and walked 6 miles on the indoor track. I walked about 0.1 miles at the beginning of each ½ mile and averaged 12:44/mile. I ran slower than two days ago and walked at about the same pace as I did then. When running I took about 40 steps every 15 seconds. When walking I took about 40 steps every 19 seconds.

Warm down: ½ mile jog home

Thur Feb 13, 2020 **4.5 miles (Run: 4 miles, Walk: ½ miles)**

I ran on the Wise Center indoor track.

2 miles in 18:14, ½ mile splits: 4:59, 4:45, 4:28, 4:02

9:00 rest

4 x ¼ mile with a ¼ mile jog after each run

Times for runs: 2:01, 1:59, 1:57.5, 1:53.5 Jogs in about 3:08

Warm down: ½ mile walk

Fri Feb 14, 2020 **no running**

In the past week: 25.25 miles total, run: 22.75 miles, walk: 2.75 miles

Sat Feb 15, 2020 **3 miles**

I ran 3 miles on the Wise Center indoor track.

Splits: 10:45, 10:16, 9:56

Sun Feb 16, 2020 **3 miles**

I ran 3 miles on the Wise Center indoor track.

Splits: 10:33, 10:24, 9:50

Mon Feb 17, 2020 **8 miles total, run: 4.7 miles, walk: 3.3 miles**

Warm up: ½ mile to the Wise Center

Run and walk 7 miles on the indoor track: I walked about 0.2 miles and ran about 0.3 miles during each half mile and averaged 12:45/mile. Walking pace about 15:30/mile and running pace about 11:00/mile.

Warm down: ½ mile walk

Tues Feb 18, 2020 **no running**

Wed Feb 19, 2020 **3 miles total, run: 2.25 miles, walk: 0.75 miles**

I ran and walked 3 miles on the Wise Center indoor track. I walked 1/8 mile at the beginning of each ½ mile and averaged about 12:45/mile.

Thur Feb 20, 2020 **no running** I walked 1 mile on the indoor track, 7:20 + 6:57

Fri Feb 21, 2020 **3 miles**

In the past week: **16 miles**

Sat Feb 22, 2020 **1.5 miles** on a Wise Center treadmill

Sun Feb 23, 2020 **no running**

Mon Feb 24, 2020 **5 miles** on the Wise Center indoor track.

Run: 3 individual miles with a ½ mile jog between them. The jogs about 6:25.

Times for miles: 9:45, 9:19, 4:23 + 4:19 = 8:41, **Warm down:** 1 mile jog 12:33

continued

Tues Feb 25, 2020 **6 miles**

Warm up: 2 miles mainly uphill to a relatively flat 1 mile stretch on Dickson Road, Average pace: 11:27/mile and rest about 4:00

Run: 2 miles on Dickson Rd. 9:11 + 8:49 = 18:00 and rest about 4:00

Warm down: 2 miles home mainly down hill, average pace: 11:27/mile

Wed Feb 26, 2020 **3 miles**

I ran on a Wise Center treadmill.

Warm up: 2 miles in 9:31 + 8:57 and a ¼ mile in 2:57

Run: ½ mile in 4:15

Warm down: ¼ mile in 3:01

Thurs Feb 27, 2020 **5.5 miles**

I ran on a Wise Center treadmill and did a 142 beat per minute test.

See Sat Jan 25, 2020 for explanation of this test.

Run: I ran 5 miles. Splits and pulses at the end of each mile:

9:29 (132 bpm), 8:58 (142), 9:13 (142), 9:25 (142), 9:38 (142)

Warm down: rest 2:00 and ½ mile in about 6:00

Fri Feb 28, 2020 **no running**

In the past week: **18 miles**

Sat Feb 19 – Fri March 6, 2020 **No running**

Sat March 7-- Fri March 13, 2020 **12 miles of walking and running**

Sat March 14, 2020 **3.8 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run and walk: 10 loops, each loop included 1 minute of walking

Distance: 3.17 miles Time for 10 loops: 39:35 or 12:29/mile

Warm down: 0.3 mile jog

Sun March 15, 2020 **3.8 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run: 10 loops, Distance: 3.17 miles Time for 10 loops: 34:05 or 10:45/mile

Warm down: 0.3 mile jog and walk

Mon March 16, 2020 **4.1 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run and walk: 10 loops, each loop included 50 seconds of walking per loop

Distance: 3.17 miles Time for 10 loops: 36:58 or 11:40/mile

Warm down: 0.6 mile walk

Tues March 17, 2020 **4.1 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run: 10 loops, Distance: 3.17 miles, Time for 10 loops: 34:55 or 11:01 min/mile

Warm down: 0.6 mile jog and walk

Wed March 18, 2020 **3.9 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run: 1 mile in 9:32, Splits: 3:13, 3:07, 2:49, 23 s,

Warm down: 1.6 miles of walking and jogging, 1 mile walk

Thur March 19, 2020 **3 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run: 1 mile in 9:00, Splits: 3:04, 2:54, 2:40, 22 s,

Warm down: 1.7 miles of walking and jogging

Fri March 20, 2020 **3.9 miles**

Warm up: 0.75 mile jog to the hilly 510 meter cemetery loop.

Run and walk:

7 loops in 17:16 or 10:58/mile, I walked about 45 s during each loop.

3 loops in 11:15 or 11:51/mile, I walked about 80 s during each loop.

In the last week: 26.6 miles

Sat March 21, 2020 **4.3 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run: 2 miles on the loop, Splits: 10:01, 9:04

Warm down: 2 miles of walking and running averaging 11:40/mile

Sun March 22, 2020 **3.8 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run: 8 loops (4080 meters) in 23:45 or 9:21/mile

1020 meter splits: 6:10, 5:54, 5:58, 5:43

Warm down: rest 2 minutes, 2 loop jog and 0.3 mile jog home

Mon March 23, 2020 **2 miles**

I ran 2 miles at various paces.

Tues March 24, 2020 **4.2 miles**

Warm up: 0.3 mile jog to the hilly 510 meter cemetery loop.

Run: 10 loops, Distance: 3.17 miles Time for 10 loops: 32:56 or 10:23/mile

Warm down: 0.4 mile jog, 1 minute rest and 0.3 mile jog home.

Wed March 25, 2020 **4 miles**

Warm up: 1 mile jog

Run: 1 mile on the hilly 510 m cemetery loop in 9:11 and rest about 3:00

Warm down: 1 mile jog in 11:56 and 1 mile walk and run in 12:06

Thur March 26, 2020 **2.5 miles**

I ran and walked 2.5 miles at various paces.

Fri March 27, 2020 **5.25 miles**

Warm up: 0.5 miles to the hilly 510 meter cemetery loop.

Run and walk: I ran and walked 15 loops, 4.75 miles in 58:52 or 12:24/mile.

I ran the first 6 loops and walked about 1 minute at the beginning of the next 9 loops.

Splits every 3 loops: 11:55, 11:17, 11:48, 11:54, 11:58

In the last week: 25 miles

Sat March 28, 2020 **4 miles**

Run: 2.13 miles on very hilly roads

Run and walk: 6 loops on the hilly 510 meter cemetery loop, 1.9 miles in 23:28 or 12:21/mile. I walked about 1 minute at the beginning of each loop.

Sun March 29, 2020 **6.45 miles**

Run: 2.13 miles on very hilly roads in 24:20 or 11:25/mile

Run and walk: 13 loops on the hilly 510 meter cemetery loop, 4.12 miles in 48:44 or 11:40/mile. I walked about 1 minute at the beginning of each loop.

Warm down: 0.2 mile walk

It was a nice day and no need for sweat clothes. I ran and walked faster.

Mon March 30, 2020 **5.25 miles**

Run: 2.13 miles on very hilly roads in 24:35 or 11:32/mile

Run and walk: 6 loops on the hilly 510 meter cemetery loop, 1.9 miles in 22:40 or 11:56/mile. I walked about 1 minute at the beginning of each loop.

Run: 1 mile (3 loops plus 80 meters) Splits: 3:17, 3:02, 2:37, 27 s, Time: 9:23

Warm down: 0.2 mile walk

I wore sweats, gloves and a hat.

Tues March 31, 2020 **4.3 miles**

I ran 13 times around the 510 meter hilly cemetery loop. Distance: 4.12 miles

Average pace: 11:00/mile Warm down: 0.2 mile walk

Wed April 1, 2020 **2 miles**

I ran 2 miles on hilly roads, starting slowly and getting a little faster as I ran.

Thur April 2, 2020 **4.2 miles**

Warm up: 0.3 miles to the hilly 510 meter cemetery loop.

Run: 1 mile on the loop in 9:24 followed by about a 4:00 minute rest.

1 mile in 8:16, splits: 2:35, 2:44, 2:35, 22 s, ¼ mile of jogging and walking

6 loops of running walking in 21:53 or 11:31/mile. I walked about 1 minute during each loop.

Fri April 3, 2020 **4 miles**

I ran 4 miles on a very hilly course. The total ascent along the course was 490 ft. Mile splits: 10:35, 11:12, 9:22, 10:40, Average pace: 10:27/mile.

The course: Down Limber, right on Jefferson, down to Randolph, left into Greendale Cemetery. Up to 510 meter loop, around the loop 4 times and back home the same way I came.

In the last week: 30.2 miles

Sat April 4, 2020 **5 miles**

Run: 1.4 miles to the cemetery loop and 10 laps of the loop. Total ascent: 410 feet, Average pace: about 10:00/mile. The last loop in 2:41 which is about 8:30/mile pace.

Warm down: 0.4 miles

Sun April 5, 2020 **4.1 miles**

Warm up: 0.3 miles to the 510 meter hilly loop.

Run: 12 loops or 3.8 miles in 31:53 or 10:04/mile, total ascent: 264 feet

Mon April 6, 2020 **2.3 miles**

I ran 2.3 miles including 1 mile on the 510 meter cemetery loop.

Splits: 3:15, 3:07, 2:36, 24s, Time: 9:22, Last loop at 8:12/mile.

Tues April 7, 2020 **3 miles**

Warm up: 1 mile run at easy pace, 4:00 rest

Run: 1 mile on the 510 meter cemetery loop. Splits: 2:45, 2:42, 2:35, 24s, Time: 8:26

Warm down:

Wed April 8, 2020 **4.4 miles**

Warm up: 0.3 miles to the hilly 510 meter cemetery loop.

2 miles on the loop in 10:30 + 9:40 = 20:10

250 meter jog and 5:00 rest.

Run: 3 x 510 meters with a 2:00 rest after each the run.

Times for runs: 2:45, 2:41, 2:26

3 loops of continuous running with 1 minute walk at the beginning of each loop.

Time: 10:26, or about 10:55/mile pace.

Warm down: 0.2 mile jog.

Thur April 9, 2020 **no running**

Fri April 10, 2020 **4 miles**

I ran 4 miles on a very hilly course. The total ascent along the course was 490 ft. Mile splits: Average pace: 10:56/mile.

The course: Down Limber, right on Jefferson, down to Randolph, left into Greendale Cemetery. Up to 510 meter loop, around the loop 4 times and back home the same way I came. Same run as last Friday. It was cold today, wore sweats.

In the last week: 22.8 miles

Sat April 11, 2020 **4 miles**

I ran the same workout as yesterday and on Friday April 3, 2020.

I ran 4 miles on a very hilly course. The total ascent along the course was 490 ft.

Today: Mile splits: 9:15, 10:16, 8:58, 10:07, Average pace: 9:38/mile.

Fri April 3: Mile splits: 10:35, 11:12, 9:22, 10:40, Average pace: 10:27/mile.

The course: Down Limber, right on Jefferson, down to Randolph, left into Greendale Cemetery. Up to 510 meter loop, around the loop 4 times and back home the same way I came.

Sun April 12, 2020 **2 miles**

I ran 2 miles on hilly roads in 10:31+9:06 =19:37.

Mon April 13, 2020 **3 miles**

I ran down ½ mile and up ½ mile on the hill in Greendale Cemetery and repeated 2 more times with no stopping along the way. 1 mile splits: 11:30, 11:28, 10:30. The elevation change along the 3 mile run was 372 feet.

Tues April 14, 2020 **3.5 miles**

Run: 3.5 miles on slightly hilly roads averaging about 10:45/mile. Last half mile in about 5:00.

Wed April 15, 2020 **4 miles**

Warm up: 0.6 miles

Run: I repeated the workout I did 2 days ago.

I ran down ½ mile and up ½ mile on the hill in Greendale Cemetery and repeated 2 more times with no stopping along the way.

Today: 1 mile splits: 11:32, 10:26, 9:37. The elevation along the ½ mile was 124 feet.

Monday: 1 mile splits: 11:30, 11:28, 10:30. The elevation along the ½ mile was 124 feet.

Warm down: 0.4 miles

Thur April 16, 2020 **4.5 miles**

Warm up: 0.25 miles to the 510 meter cemetery loop.

Run and walk: 4 miles on the loop, walking 3 times during each mile. I walked a total of 3 minutes during each of the first 2 miles, 4.5 minutes during the third mile and 6 minutes during the third mile. Mile times: 12:13, 12:20, 12:10, 12:40.

Warm down: 0.4 miles home.

Fri April 17, 2020 **no running**

In the last week: 21 miles

Sat April 18, 2020 **5.6 miles**

I ran and walked 5.6 miles on very hilly roads and averaged about 13 minutes per mile.

Sun April 19, 2020 **5 miles**

I ran and walked 5 miles on very hilly roads and averaged about 13 minutes per mile.

Mon April 20, 2020 **5 miles**

I ran and walked 5 miles on very hilly roads and averaged about 13 minutes per mile.

Tues April 21, 2020 **1.25 miles**

I ran and walked 1.25 miles.

Wed April 22, 2020 **5 miles**

I ran and walked 5 miles on very hilly roads and averaged about 13 minutes per mile.

Thur April 23, 2020 **5 miles**

I ran and walked 5 miles on very hilly roads and averaged about 13 minutes per mile.

Fri April 24, 2020 **5 miles**

I ran and walked 5 miles on very hilly roads and averaged about 13 minutes per mile.

In the last week: 31.9 miles

Sat April 25, 2020 **4.7 miles**

Warm up: 2 miles at about 10:15/mile mainly on hilly 510 m cemetery loop. Rest 5:00

Run: 5 x 510 meters with 250 meter jogs, and 3 minutes between each run.

Times for the runs: 2:49, 2:41, 2:29, 2:27, 2:18.5(7:17/mile pace for the last run)

Warm down: ½ mile

Sun April 26, 2020 **3 miles**

I ran 3 miles on very hilly roads and averaged 11:49/mile.

Mon April 27, 2020 **5 miles**

Warm up: 0.5 miles to the 510 meter hilly cemetery loop and rest 1 minute.

Run: 4 miles on the loop which is 12 loops plus about 320 more meters.

The total ascent on the 4 mile run was about 300 feet.

Mile Splits: 10:40, 10:05, 10:04, 8:41 Time: 39:30

Warm down: Rest 5 minutes and jog 0.5 miles home.

Tues April 28, 2020 **4.5 miles**

I ran on the 510 meter hilly cemetery loop.

Warm up: 1 mile

Run: 1 x 510 meters in 2:59, ¼ mile jog,

1 x 1020 meters in 2:54+2:53, 510 meter jog

1 x 1mile in 8:08, Splits: 2:44, 2:39, 2:22, 23

Warm down: 1 mile jog

Wed April 29, 2019 **5 miles**

Warm up: ½ mile

Run: 3 times mainly down and back up again on the Greendale Cemetery hill. The total distance for each run was 1.5 miles.

There is a total ascent of 176 feet over the 1.5 miles.

I rested 2 minutes after the first two runs.

Times: 14:54 (9:56/mile), 14:33 (9:42/mile), 13:43 (9:09/mi)

I felt good doing this tough workout.

Thurs April 30, 2019 **4.94 miles** on the 510 meter hilly cemetery loop.

Warm up: 0.25 miles

Run and walk: I ran and walked 14 loops with about 160 yards of walking during each loop.

Distance: 4.44 miles, Total ascent: 310 feet, Time: 56:52, Average pace 12:49/mile

Warm down: 0.25 miles

Fri May 1, 2019 **4.94 miles** on the 510 meter hilly cemetery loop, the same as yesterday.

Warm up: 0.25 miles

Run and walk: I ran and walked 14 loops with about 170 yards of walking during each loop.

Distance: 4.44 miles, Total ascent: 310 feet, Time: 54:44, Average pace 12:20/mile

Warm down: 0.25 miles

In the last week: 31.1 miles

Sat May 2, 2020 **4.5 miles**

I ran on the hilly 510 meter cemetery loop.

Warm up: jog 0.25 miles

Run: 1 mile in 9:40 and rest about 4:00

1 mile in 2:38 + 2:42 + 2:37 + 22s = 8:19 (total ascent 66 feet) and rest about 10:00

7 loops = 2.22 miles in 24:08 or 10:58/mile

Sun May 3, 2020 **4.2 miles**, I ran on the hilly 510 meter cemetery loop.

Warm up: 0.25 miles

Run: 3 loops: 3.17 miles averaging 10:29/mile

Warm down: 0.25 miles

Mon May 4, 2020 **6 miles**

Warm up: 0.25 miles

Run: 1 mile on the hilly 510 meter cemetery loop in 10:28 and rest 3 minutes

Then one time mainly down and back up again on the Greendale Cemetery hill. The total distance for the run is 1.5 miles. There is a total ascent of 176 feet over the 1.5 miles. **Time:** 14:52 (9:56/mile)

After resting 3 minutes I ran 3 miles on the loop in 29:55 (9:58/mile)

Warm down: 0.25 miles

Tues May 5, 2020 **3.5 miles**

I repeated the workout I did on April 13 & April 15, 2020 and ran 3 times down and up a ½ mile hill in the cemetery for a total of 3 miles. Elevation change on the hill is 124 ft.

Warm up: 0.25 miles

Today: 1 splits: 11:59, (5:21+6:39) = 12:00, (5:05 + 5:20) = 10:25

April 15: 1 mile splits: 11:32, 10:26, 9:37.

April 13: 1 mile splits: 11:30, 11:28, 10:30.

Warm down: 0.25 miles

Wed May 6, 2020 **2 miles** on hilly roads averaging 10:25/mile.

Thur May 7, 2020 **5.8 miles**

Warm up: 0.3 miles

Run and walk: 5 miles, 4 times down and up a hill in the Greendale Cemetery averaging about 12:55/mile. The difference in elevation from top to bottom is 163 feet so the **total** ascent on the run was 652 feet.

Fri May 8, 2020 **2 miles**

I ran 2 miles on hilly roads with a total ascent of 254 feet averaging 10:55/mile.

In the last week: 28 miles

Sat May 9, 2020 **4 miles**

I ran on the 510 meter hilly cemetery loop

Warm up: 0.25 miles

Run: 1 mile in 9:21 (total ascent 66 feet)

Run and walk: 7 loops (2.22 miles) averaging 11:45/mile. On each loop, I ran mainly downhill 310 meters at about 9:00/ mile and walked all uphill 200 meters at about 16:00/mile. Total ascent over the run was about 154 feet.

Warm down: 0.5 miles

Sun May 10, 2020 **5.4 miles**

It is 0.75 miles from the very top of Greendale Cemetery to just out side the entrance at the bottom of the cemetery. The total elevation change is 210 feet from top to bottom.

Warm up: 0.3 miles

I ran the hill from top to bottom and back up three times with no rests in a time of 45:37 or 10:08/mile. The total ascent along the 4.5 miles was 630 feet.

Splits: 6:55 (down) + 8:48 (up) = 15:33

6:52 (down) + 8:51 (up) = 15:43

6:42 (down) + 7:39 (up) = 14:21

The last uphill felt relatively easy.

Warm down: Rest a few minutes and 0.6 miles on the cemetery loop.

Mon May 11, 2020 **2.2 miles** on hilly roads averaging 10:22/mile.

Tues May 12, 2020 **4.4 miles**

Run: 3.4 miles on hilly roads and grass at the Allegheny College athletic field averaging 10:12/mile.

Warm down: Rest 3 minutes and 1 mile jog home.

Wed May 13, 2020 **5 miles**

Warm up: On mile to the Allegheny athletic field and rest 3 minutes.

Run: 2 x 1.5 miles on a hilly course with a 7 minute rest between.

Ascent for first 0.75 miles: about 40 feet, Ascent for second 0.75 miles: about 50 feet

Times: (7:26 + 7:23) = 14:49 or 9:51/mile

(6:53 + 6:27) = 13:20 or 8:52/mile

Warm down: rest 5 minutes and 1 mile jog home

Thur May 14, 2020 **5 miles** on hilly roads and grass. Total ascent: 310 ft, Ave pace 10:38

Fri May 15, 2020 **4.3 miles**

Warm up: 0.3 miles

Run: I ran down ½ mile and up ½ mile on the hill in Greendale Cemetery and repeated 3 more times with no stopping along the way. Mile splits: 11:21, 11:20, 11:17, 11:04. The elevation change along the 4 mile run was 496 feet.

In the last week: 30.3 miles

Sat May 16, 2020 **6.3 miles**

I ran on the hilly 510 meter cemetery loop.

Warm up: ½ mile and rest a few minutes.

Run: 6 x ½ mile run with ¼ mile jog between the runs.

Times for runs: 4:13, 4:10, 4:08, 4:06, 4:06, 3:43, Times for jogs about 3:25

Sum of ascents along each half mile: about 35 feet

Warm down: Rest a few minutes and jog 1.6 miles

Sun May 17, 2020 **4 miles**

I ran the somewhat hilly 4 mile Wesbury Course. The total ascent on this course is 277 feet.

The average pace: 9:58/mile.

Mon May 18, 2020 **5.25 miles**

Warm up: 0.25 mile jog

Run: 5 miles on a 0.83 mile loop on the Allegheny athletic field. 5 miles is 6 loops plus 35 yards. Time: 48:51 or 9:46/mile. Each loop has 50 feet of ascent, or 300 feet for 5 miles.

Splits for each 0.83 miles: 8:49, 8:22, 8:10, 8:02, 7:46, 7:32

Tues May 19, 2020 **4 miles**

I ran an easy 4 miles mainly on the grass loop around the Allegheny athletic field.

Wed May 20, 2020 **3.5 miles**

I ran an easy 3.5 miles mainly on the grass loop around the Allegheny athletic field.

Thur May 21, 2020 **3.5 miles**

Warm up: 1 mile to the Allegheny athletic field in 10:10 and rest 3:00.

I ran on a 0.75 mile grassy loop that has a total ascent of 50 feet per loop.

Run: 1 x 0.75 miles and 1 x 1.5 miles with a 3:00 rest between.

Times for runs: 6:59, (7:10 + 6:37) = 13:47 (9:11/mile)

Warm down: rest 2:00 and 0.25 mile jog

Fri May 22, 2020 **3.75 miles**

Warm up: 1.5 miles to the Allegheny athletic field in 11:13 and rest 5:00.

I ran on a 0.75 mile grassy loop that has a total ascent of 50 feet per loop.

Run: 2.25 miles averaging 11:53/mile

0.75 mile splits: 9:06, 9:24, 8:13

Comparison with yesterday's workout shows that today was a recovery day.

In the last week: 30.3 miles

Sat May 23, 2020 **5 miles**

I ran on the 510 meter loop in Greendale Cemetery.

Warm up: 1 mile at various paces and rest 5 minutes.

Run: 6 x ¼ mile with a ¼ mile jog between the runs.

Each ¼ mile run was half down and half uphill with vertical decent and ascent of about 20 feet. Times for the runs: 1:59, 1:56, 2:00, 1:59, 1:57, 1:49. The jogs were about 3:20.

Warm down: 1.25 mile jog.

Sun May 24, 2020 **5 miles**

I cut grass with a push mower for an hour and a quarter, rested 45 minutes and then ran the same Wesbury course as last Sunday only I added on an additional mile at the Allegheny athletic field to make the run 5 miles. The total ascent for the 5 miles was about 365 feet. I averaged 11:57/mile which is about 1 minute per mile slower than last week. After yesterday's workout this was a good run.

Mon May 25, 2020 **5 miles**

I didn't cut grass today but I did run the same workout as yesterday. Today I ran the last mile about 50 seconds faster than I did yesterday and averaged 11:47 for the 5 miles.

Tues May 26, 2020 **3.3 miles** at an easy pace.

Wed May 27, 2020 **2.3 miles** at an easy pace.

Thurs May 28, 2020 **5 miles**

I ran on the hill from the very top of Greendale Cemetery to Jefferson Street which is a short distance outside the entrance to the cemetery. The hill is 0.806 miles long with an elevation change of 216 feet. There was a slight refreshing drizzle the whole time.

Warm up: 0.6 miles and rest a minute

Run: I ran 2 times down and up the hill and felt really good the whole way especially coming up the hill the second time. Time for 3.22 miles: 33:36 or 10:26/mile

Splits: 1st time: Down 7:27 or 9:15/mile, Up 10:13 or 12:38/mile

2nd time: Down 7:21 or 9:08/mile, Up 8:33 or 10:34/mile

Warm down: Rest a minute and jog 1.2 miles

Fri May 29, 2020 **5 miles**

I ran on the 510 meter loop in Greendale Cemetery

Warm up: 0.6 miles and rest 1 minute

Run: 4 miles in 41:28 or 10:16/mile, Mile splits: 10:02, 11:53, 10:22, 9:11

During the second mile my energy was low but after that I felt better. Total ascent: 275 ft

Warm down: **0.4 miles**

In the last week: 30.6 miles

Sat May 30, 2020 **5 miles**

Run: 4.6 miles on hilly roads including the 0.81 mile hill in Greendale Cemetery

Average pace: 10:26/mile

1st 0.8 miles downhill averaging about 9:00/mile

2nd 0.81 miles uphill with an elevation change of 216 feet averaging about 11:00/mile

3 miles on hilly 510 meter cemetery loop averaging 10:40/mile with the last mile in 9:33

Warm down: 0.4 miles

Sun May 31, 2020 **4.25 miles**

I ran 4.25 miles on hilly roads and grass and averaged about 10:25. The last mile was hilly and time was 9:50.