

Model of the
Tide Gauge





The Waldorf, 1930

Climbing in his footsteps

I REMEMBER BEING VERY YOUNG
STANDING OUTSIDE MY MOM AND DAD'S
BEDROOM DOOR.
HE STUMBLED IN FROM WORK TIRED AND DIRTY
LIKE SO MANY BEFORE.

I DIDN'T KNOW MUCH ABOUT LIFE
BECAUSE I WAS ONLY FOUR OR FIVE.
BUT I SEEN HIM HUG AND KISS MY MOM
LIKE HE WAS HAPPY TO BE ALIVE

I KNEW MY FATHER WAS AN IRONWORKER
BUT WHAT THAT WAS I DIDN'T KNOW.
BUT I WANTED TO BE JUST LIKE HIM
BECAUSE HE WAS MY HERO

HE ASKED ME ABOUT GROWING UP
WHAT WAS IT I WANTED TO DO?
I SEEN FEAR BEHIND HIS PRIDE
WHEN I ANSWERED "I WANT TO BE AN IRONWORKER,
JUST LIKE YOU".

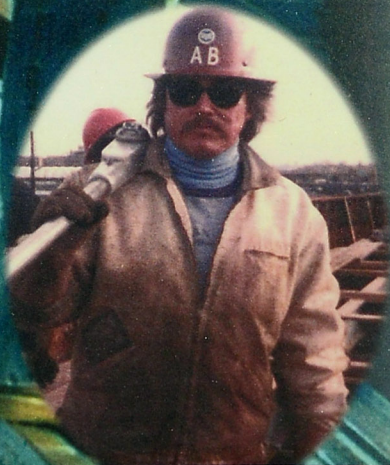
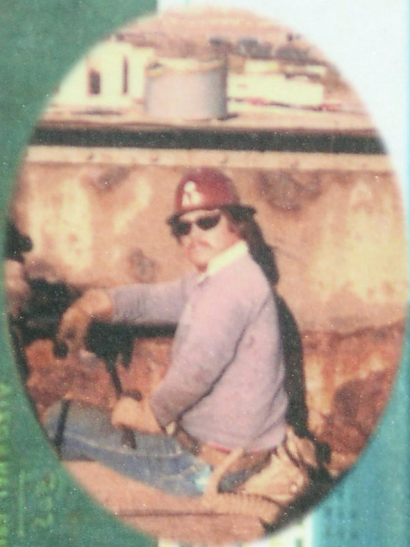
HE ASKED ME IN A SKETCHY VOICE
"SON, WHAT HAPPENS IF WORK
CALLS MOMMY ONE DAY
AND TELLS HER THAT I DIED?"
I CHOKED BACK A TEAR AND ANSWERED
"WELL, DAD, I GUESS WE'D CRY".

EIGHTEEN YEARS WENT BY
BUT I FINALLY GOT MY DREAM.
I PUT UNCLE JOE'S OLD BELT AROUND MY HIPS
AND WALKED MY FIRST WIDE BEAM.

I FINALLY GOT TO BUILD THINGS
THE WAY MY FATHER DID.
I GOT TO BE THE IRONWORKER
I WANTED TO BE AS A KID.

NOW I KNOW WHY DAD WAS CONCERNED
WHEN I TOLD MY DREAM TO HIM.
BECAUSE EVERY MORNING WHEN HE GOES TO WORK
HE RISKS HIS LIFE AND LIMB.

HE SAID HE WANTED ME TO HAVE THE BEST
BUT THERE'S NONE BETTER FOR ME.
CLIMBING IN MY DAD'S FOOTSTEPS
IS WHERE I'M PROUD TO BE.





Kalvin Robertson
AT&T Building
Detroit Michigan
1982







TRIBOROUGH BRIDGE AND TUNNEL AUTHORITY

WORKER
—
VERRAZANO-NARROWS
BRIDGE

★ ★ 1964 ★ ★



DAVID RICE KAHNAWAKE
WORLD TRADE CENTER 110TH FLOOR
TOWER B 1971





World Trade Center 1973

The original World Trade Center featured landmark twin towers, which opened on April 4, 1973, and were destroyed in the September 11 attacks of 2001, along with 7 World Trade Center.

The other buildings in the complex were severely damaged by the collapse of the twin towers, and their ruins were eventually demolished. The site is being rebuilt with six new skyscrapers, a memorial to those killed in the attacks, and a transportation hub.

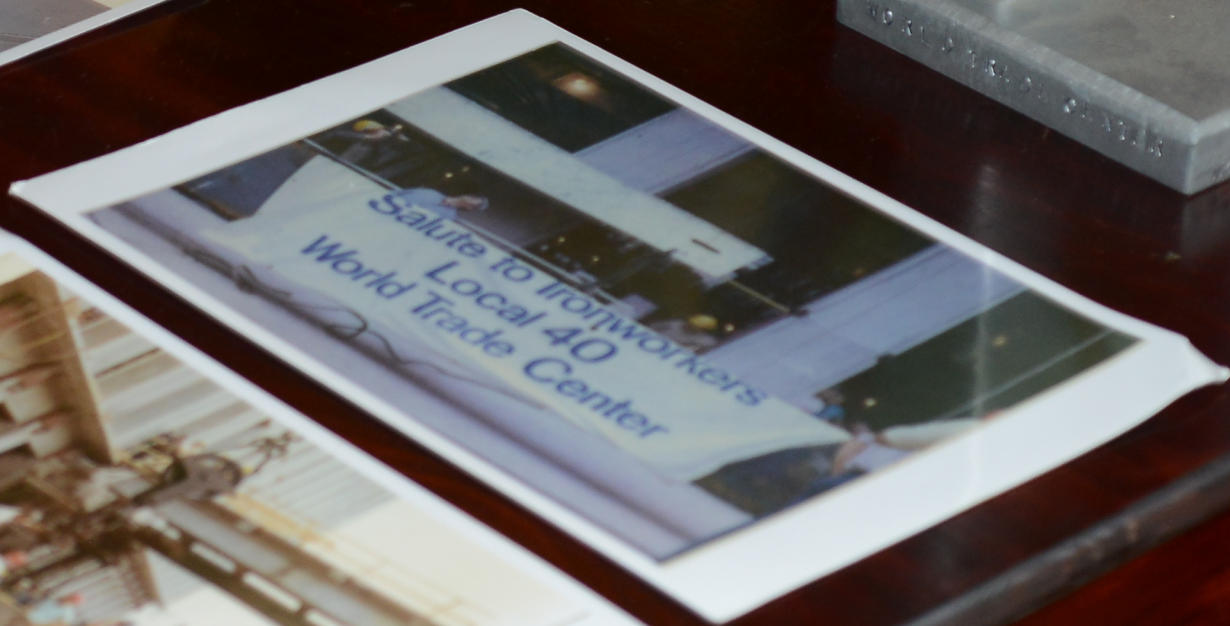
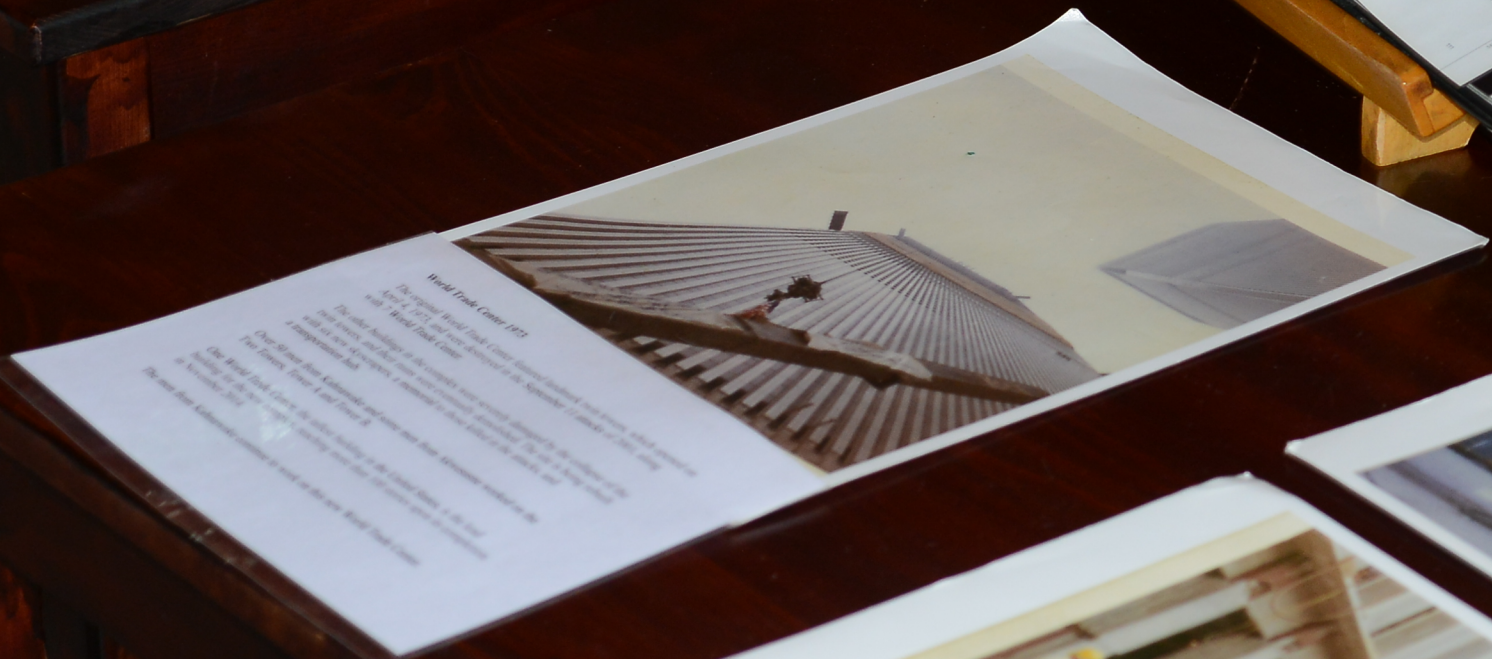
Over 50 men from Kahnawake and some men from Akwesasne worked on the Two Towers, Tower A and Tower B.

One World Trade Center, the tallest building in the United States, is the lead building for the new complex, reaching more than 100 stories upon its completion in November 2014.

The men from Kahnawake continue to work on this new World Trade Center.

A photograph of a construction site at night. In the foreground, a large white banner is stretched across the frame, featuring blue text. Behind the banner, several construction workers are visible, some wearing hard hats. The background shows the skeletal structure of a building under construction, with vertical and horizontal steel beams. The scene is illuminated by artificial lights, creating a high-contrast environment.

**Salute to Ironworkers
Local 40
World Trade Center**





transportation problems, Move on . . . New York is functioning—shaken but NOT destroyed! The broad artery of Fourteenth Street, running east-west clean across Manhattan, became a manned boundary. To the north, as much normality as possible; to the south, the avenues and streets open to pedestrians only. Further south, Houston (or "First") Street, another major east-west artery, marked a tightly controlled no-access zone; below it, emergency crews and supplies were assembling.

By 6:00 p.m. the patient inflow to the hospitals had diminished to a trickle; no more survivors could be found. The whole WTC area was one vast mound of smoking rubble, hundreds of feet high, spilling over into adjacent streets. The news coverage was of course constant—terrible figures flowing out; 78 police officers unaccounted for, 200 firemen unaccounted for. Some 50,000 people work at the WTC; some 20,000 more are in the area on business visits. Those killed would be numbered in the thousands.

By mid-evening limited subway service was operating and outbound bridge and tunnel crossings were restored in an effort to clear Manhattan of non-residents and non-essential outsiders. New Yorkers recognized that effective management was in place and emergency

operations were going according to plan. The street crowds thinned around 8.30 p.m. as people went home to listen to President Bush address the nation. A judicious speech with only the hint of possible military retaliation. But how does a nation retaliate against an enemy whose weapons are furtiveness and stealth, the murder of the innocent, an enemy too cowardly to ever take the field or stand in the light of day? After the president's address, people again took to the streets, restlessly wandering from St. Vincent's down to the Houston Street barriers and back.

Toward midnight a major quasi-military operation became apparent. Convoys of dump-trucks, bulldozers, plank-and-scaffold trucks parked along Houston Street. At intervals they would roll on down the Avenue of the Americas toward the still burning WTC area. The local fire-station became a command post; for a brief time earlier in the day, before more suitable space could be found closer to the WTC, it had been Mayor Giuliani's Command HQ. The local baseball court became a supply depot; nearby the Salvation Army set up mobile canteens.

To the north, St. Vincent's Medical Center was fully established as a major receiving station, the avenue lit up with floodlights and awash with local residents, the media, and would be

THE EMPIRE STATE BUILDING, SOME 50 BLOCKS NORTH OF THE DEVASTATED WORLD TRADE CENTER AREA, REMAINS A FAMILIAR AND COMFORTING PRESENCE.

FROM PAGE 113 TO PAGE 115
AT 9:03, THE SECOND BOEING 767 HIT THE SOUTH TOWER; THE 767'S 20,000 GALLONS OF JET FUEL IGNITED, CREATING A BLAZING INFERNO.

FROM PAGE 116 TO PAGE 119
THE SOUTH TOWER, THE SECOND TO BE HIT, WAS THE FIRST TO COLLAPSE (9:50 A.M.), CONDEMNING THOUSANDS TRAPPED WITHIN TO A HORRIFIC DEATH.

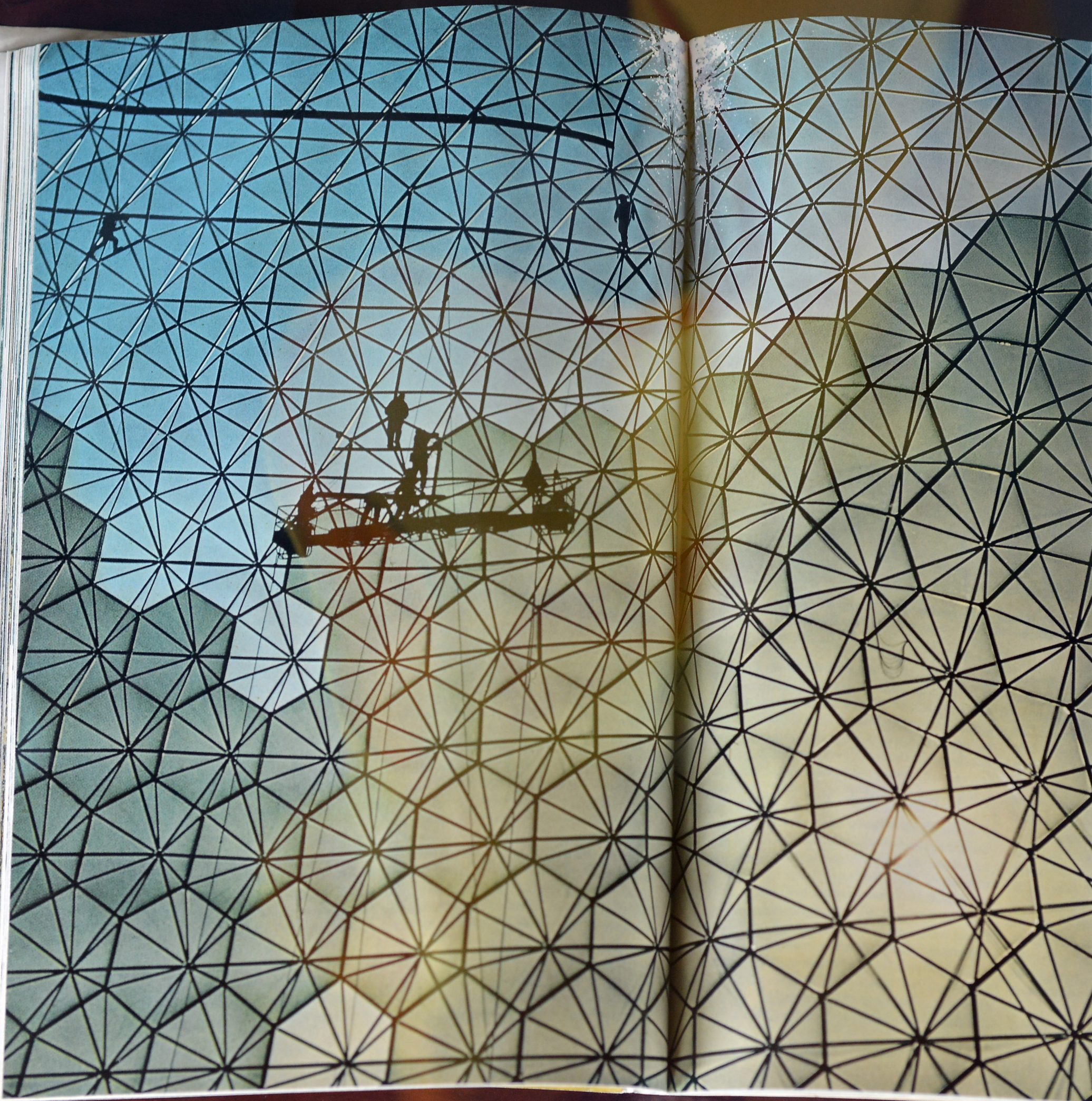


volunteers. These were in excess of need; by noon it had become clear that there would be few survivors, only a massive hetacomb of entombed dead. Emergency morgues were being set up locally and across the river in New Jersey. Thousands who had not escaped would be burned, or crushed or mangled beyond recognition—with the terrible result that many families would have no closure, no solace of burying their lost. A gruesome task lay ahead: removing the fragmentary remains of what might at first estimates amount to 10,000 bodies.

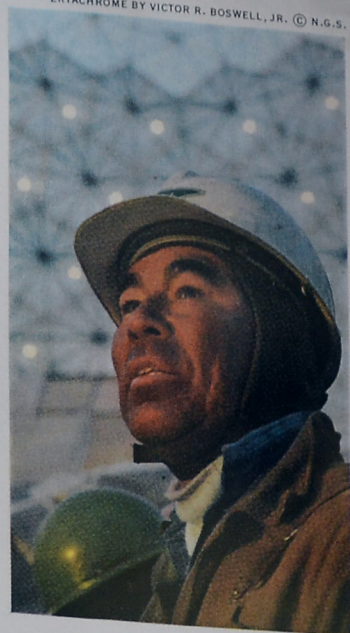
A month later New Yorkers were going about their business and living their lives. Everywhere, except at Ground Zero and the immediate area, there is at first glance the appearance of normality. It's the second glance that notes the uniformed security guard, the screening device, the cautionary notice. It's those who have taken an airline flight or had business in a government building that know life is not the same. The news is no longer about other countries and other people. At the core, it is about the United States and the challenge it faces. Violence is a threat; vulnerability is a fact of life. The hope must be that justice and sanity prevail. (Event viewed from Greenwich Village, NYC).

- 93, Montreal, Canada.**—Meets every Monday at Labor Temple, 301 St. Dominique st. Phone, Bell, East 5633.
A. Binnette.....P
D. Duval.....R S
Jos. M. Belanger, 279 First ave., Vianville.....F S & T
- 94, St. Paul, Minn.**—Meets second and fourth Friday evenings of each month at Federation Hall, 309 Wabasha st.
Mike Broderick.....P
Sam Dahlquist.....R S
Walter Bock, 756 Jessamine st., Tri-State phone 21380.....F S
- 97, Vancouver, B. C.**—Meets every Monday night at Labor Temple.
W. G. Cawley.....P
Pete Neilson.....R S
Wm. L. Yule, Box 1196.....F S & T
- 98, Pueblo, Colo.**—Meets 1st and 3rd Thursday, at B. T. C. Hall.
P. H. O'Neal.....P
H. G. Brosius.....R S
W. E. Palmer, 2405 Osman ave....F S & B A
- 99, Seattle, Wash. (Finishers).**—Meets first and third Friday evenings at Labor Temple.
Roy McElhowe.....P
Arthur Boncher.....R S
L. Lang, 3205 Nineteenth ave. So....F S & T
- 101, New York, N. Y. (Foremen).**—Meets first and third Thursdays at 300 Eighth ave.
Wm. Ritchie.....P
O. N. Lowe.....R S
Wm. Becker, 104 E. 124th st.....F S
- 102, San Diego, Cal. (Bridge, Structural and Atchitectural Iron Workers).**—Meets every Thursday at 8 p. m. at Labor Temple.
F. Fisher.....P
G. S. Darling.....R S
C. F. Sandberg, Box 880.....F S
- 103, Evansville, Ind. (Bridge and Structural Iron Workers).**—Meets every Wednesday night at Lovejoy's Hall, 5th and Sycamore sts.
R. C. Grimes.....P
Oley Flagler.....T
F. J. Guth, 1008 Third ave.....F S
- 107 Butte, Mont. (Bridge and Structural Iron Workers, Piledrivers and Machinery Movers).**—Meets every Monday night at Carpenters Union Hall.
S. Noah.....P
Joe O'Gorman.....R S
E. A. Storvik, 320 N. Main st.....F S
- 109, San Jose, Cal.**—Meets Tuesday evenings at Labor Temple.
E. L. Sanders.....P
Cal Humphrey, 77 Lenzen ave.....F S
- 111, Rock Island, Ill., Moline, Ill., and Davenport, Iowa.**—Meets second Wednesday at Danish Brotherhood Hall, 609 W. Fourth st., Davenport, Iowa.
Geo. Bixby, phone North 1154X.....P
Lon McCandless.....R S
H. B. Knowles, 2818 Boies st., Davenport, Ia.....F S & T
- 112, Peoria, Ill.**—Meets first and third Tuesdays at Iron Workers' Hall, Main and Washington sts.
H. A. Kloppenburg.....P
Elmer Blythe.....R S
Albert Ulrich.....T
Robert Evans, 4221 S. Adams st.....F S
- 114, Tacoma, Wash. (Piledrivers and Builders Wooden Bridge).**—Meets every Tuesday night at 1916 Jefferson ave.
Robert Kerr.....P
Martin McDounagh.....R S
M. Johnson, 1712 So. Yakima ave....F S
- 117, Oakland, Cal.**—Meets first and third Mondays at 470 Twelfth st.
Thos. Horrigan.....P
Tony Quintal.....R S
Paul G. Reimer, 2811 Atwell ave....F S
- 118, Sacramento, Cal.**—Meets every Wednesday, Hall No. 6, at Labor Temple, 8th and Eye sts.
J. T. Foley.....P
W. J. Leflar.....R S
Chas. Ertell, Labor Temple, Box 68....F S
- 119, Montreal, Quebec, Canada.**—Meets every Monday night at Labor Temple.
Duncan Paul.....P
J. Neil.....R S
F. D. Scullin, 187 Murray st.....F S
- 123, Lincoln, Neb.**—Meets second and fourth Thursday at Labor Temple.
J. J. Flynn.....P
F. E. Swenson, 2814 F st.....F S & T
- 125, Port Arthur, Tex.**—Meets first and third Sundays at Carpenters' Hall.
John Dunnigin.....P
Thos. Palmer.....R S
W. H. Coughlin, 704 Fourth st.....F S
- 126, Calgary, Alberta, Canada.**—Meets every Thursday evening at Labor Temple.
Jas. Burns.....P
Wm. Finlay.....R S
Thos. Frame, Box 2026.....F S
- 128, Caughnawaga, Quebec, Can.**—Meets every Sunday at Town Hall.
Mike Stalk.....P
P. T. Angus.....R S
J. M. Jocks, P. O. Box 102.....F S & T
- 129, Edmonton, Alberta, Canada.**—Meets first and third Thursdays at Moose Hall, cor. Fraser and Isabella sts.
Geo. Wilson.....P
Claude Metzger.....R S
J. R. MacDonald, Box 264....F S & T & B A
- 132, Chicago, Ill. (English).**—Meets first and third Tuesday at 630 W. Lake st.
Anthony Rehna.....P
E. L. Cory.....R S
Hans Dystrup, 2320 W. Belmont ave....F S
- 133, Chicago, Ill. (German).**—Meets every first and third Wednesday at 630 W. Lake st.
Henry Osterloh.....P
Wm. Schenker.....R S
Wm. Stahlheber, 5631 S. May st.....F S





EKTACHROME BY VICTOR R. BOSWELL, JR. © N.G.S.



Human spiders spin a web—the 187-foot-high geodesic dome of the U. S. exhibit in Montreal's Expo 67. Cat-footed Mohawk Indians such as Michael Chuck Sky (above) rig the network of steel girders—a perilous vocation that the tribesmen pursue anywhere in the world. Some 4,000 Mohawks live on Canada's Caughnawaga Indian Reserve near Montreal. In its Kateri Cemetery, a cross of I beams marks the grave of a worker in high steel—one of 35 Mohawks who died when the Quebec Bridge collapsed during construction in 1907.



KODACHROMES BY EMORY KRISTOF (LEFT) AND JOHN LAUNDIS, BLACK STAR © N.G.S.

MEMBER

LOCAL UNION
No. 93
MONTREAL
CANADA



INTERNATIONAL
ASSOCIATION
OF
BRIDGE & STRUCTURAL
IRON WORKERS













MICHIGAN



PRUDENTIAL BUILDING-SOUTH FIELD MICHIGAN-1978
KALVIN ROBERTSON, JUNIOR DIABO, GERALD MCCOMBER, LOUIE MONTGOMERY, JIMMY WHITE, NEIL PHILLIPS, CARL SKY, RAY MCCOMBER, JOHNNY LAZARE



PAN-AM BUILDING

Pan-Am Building

PLEASE DO NOT TOUCH
S.V.P. ne touchez pas





PENN STATION





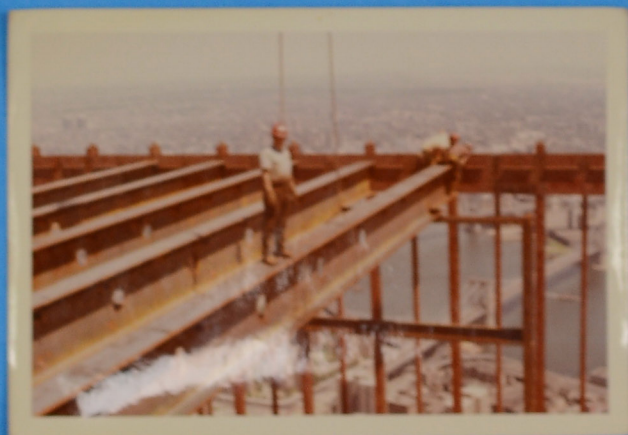
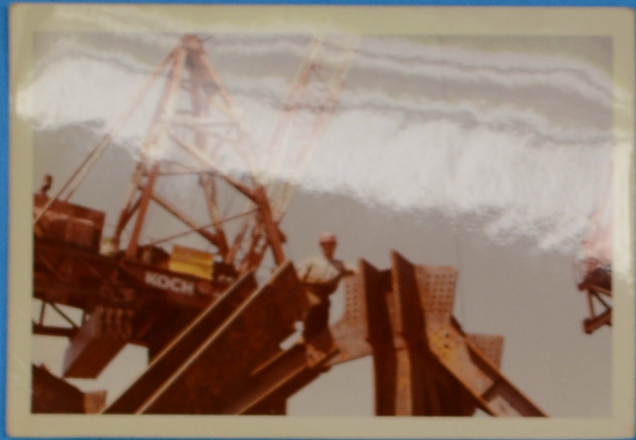
Ironwork Tools

JOE FLO McCOMBER

IRONWORK TOOLS
SPUD WRENCHES
BACK-OUT
CRESCENT WRENCH
BOLT CUTTERS
BRIDGE CLAMP
CHOKER WITH SHACKLES
BOLT PINS
4LB BEATER
CONNECTING BAR
SNATCH BLOCK
SHEAVE
BELT WITH TOOLS
HELMETS
LUNCH PAIL 1950

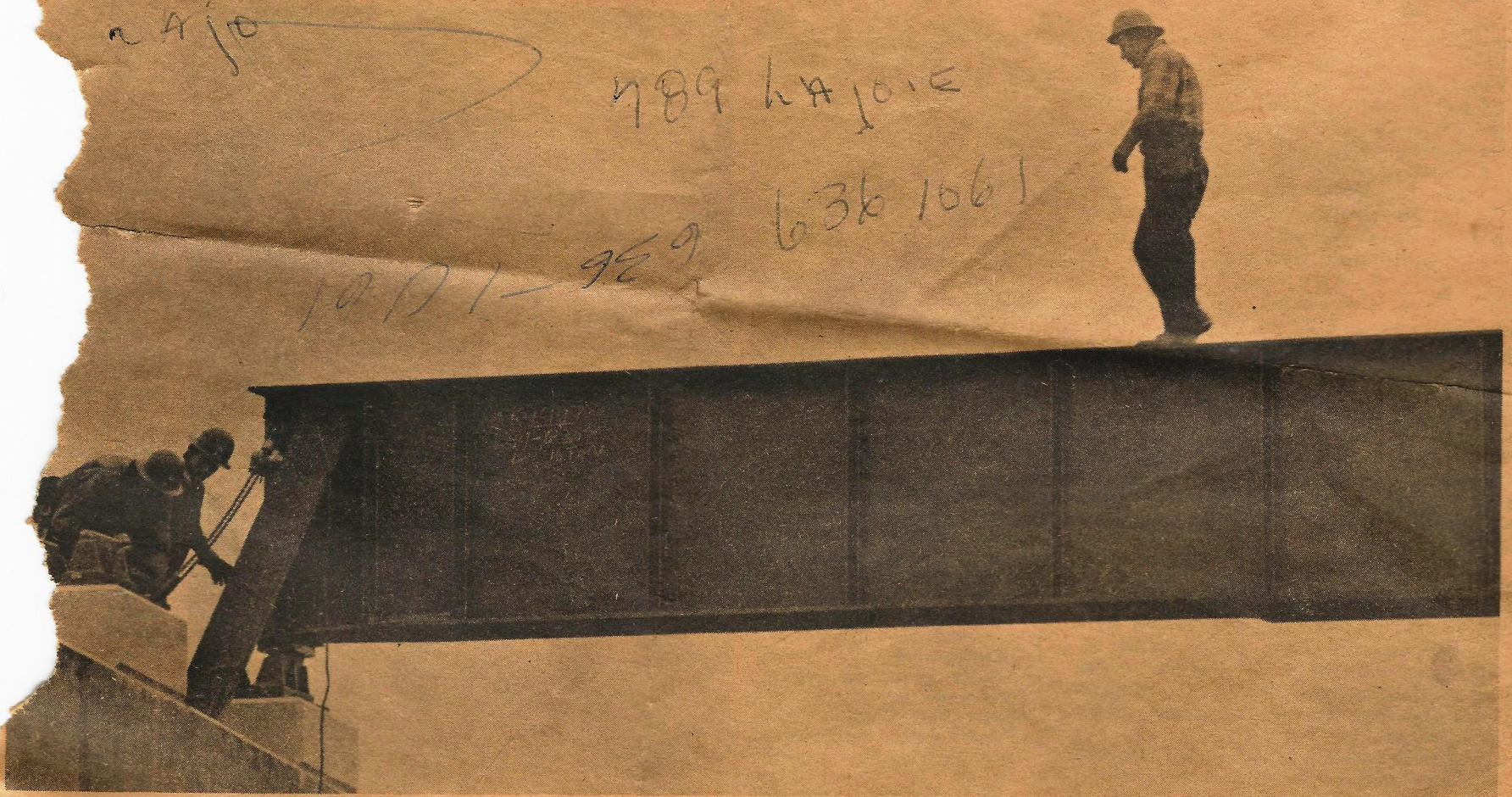


The Waldorf, 1930



WORLD TRADE CENTER

Steelworkers Right On The Beam



The shortest distance between two bridge abutments is across a 107 foot, 16 ton steel beam.

Photos By Al Greene

Coming in from Elmira were 16 ton girders that were going to span the Erie-Lackawanna Railroad tracks as part of the eastbound lanes on the Hornell — Almond section of the Southern Tier Expressway.

One of the foremen for the American Bridge Company said if the rain got much heavier, the steelworkers would refuse to work because it would be too slippery.

The two steelworkers were from Quebec, Canada. Once the 107 foot girders were in position, it was up to them to set them properly.

The beams were lifted by the machine which could lift up to 60 tons. A soon as they were resting on the supports, the steelworkers put the first brace in between girders to keep them from tipping.

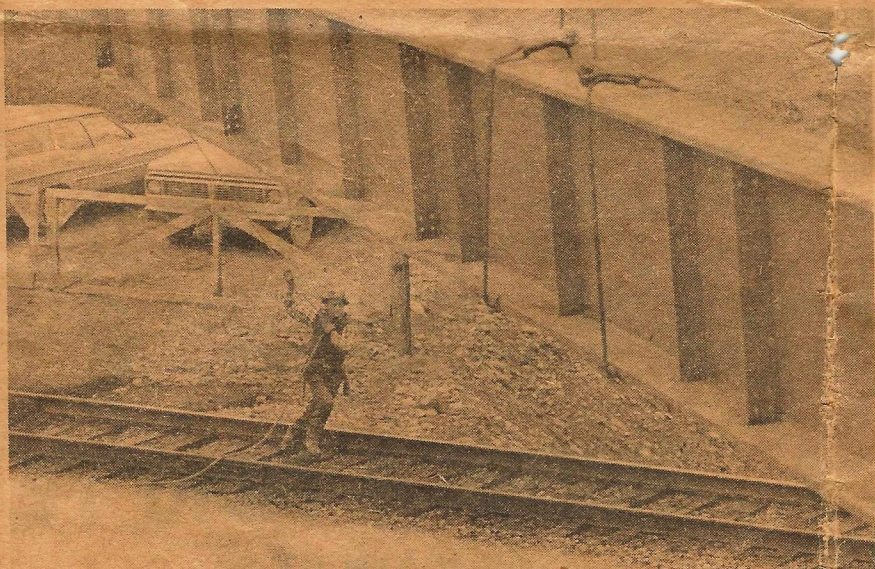
It was one of the integral steps in preparing the bridge for next Spring when the concrete will be poured.



Help is needed for a reluctant brace.



A worker watches as a beam is positioned.



To move a beam, it's best to have both feet on the ground.



You hold on when you can.