

PerspECCtive

Theme:
The Next 50 Years: Capturing Transformational Possibilities

Onsite Leadership

“Learning from the Past Preparing for the Future”

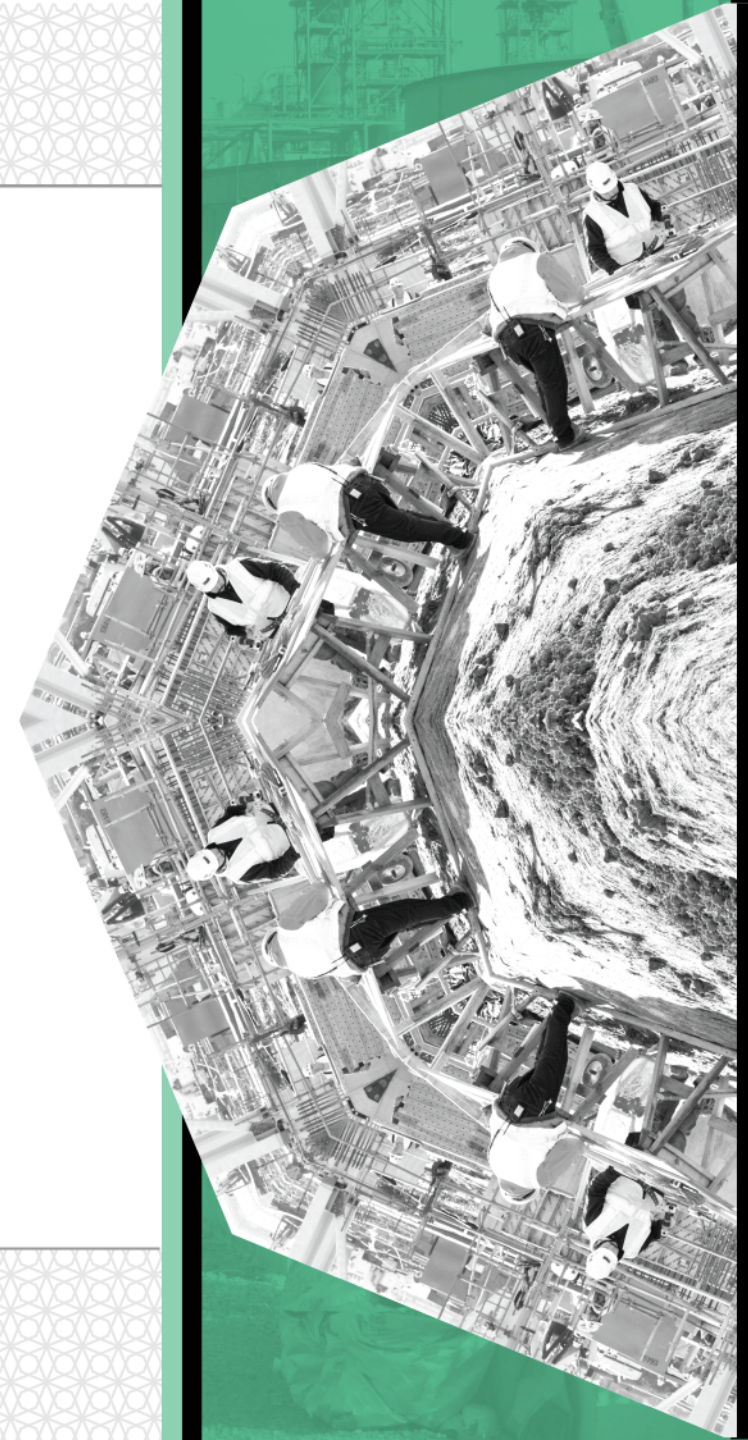
..... Images from the decades



Year:
2018

Date:
Sept. 5-8

Location:
**JW Marriott Hill Country
San Antonio, TX**



Seat belts!

- Provided in vehicles only as an option
- Now standard and a legal requirement



Safety Belts

- Replaced the fall protection method of 'holding on' with your hands!



Single Lanyard

- Single lanyard connected a safety belt to a support as a required fall protection

... Although a single lanyard cannot provide 100% fall protection!



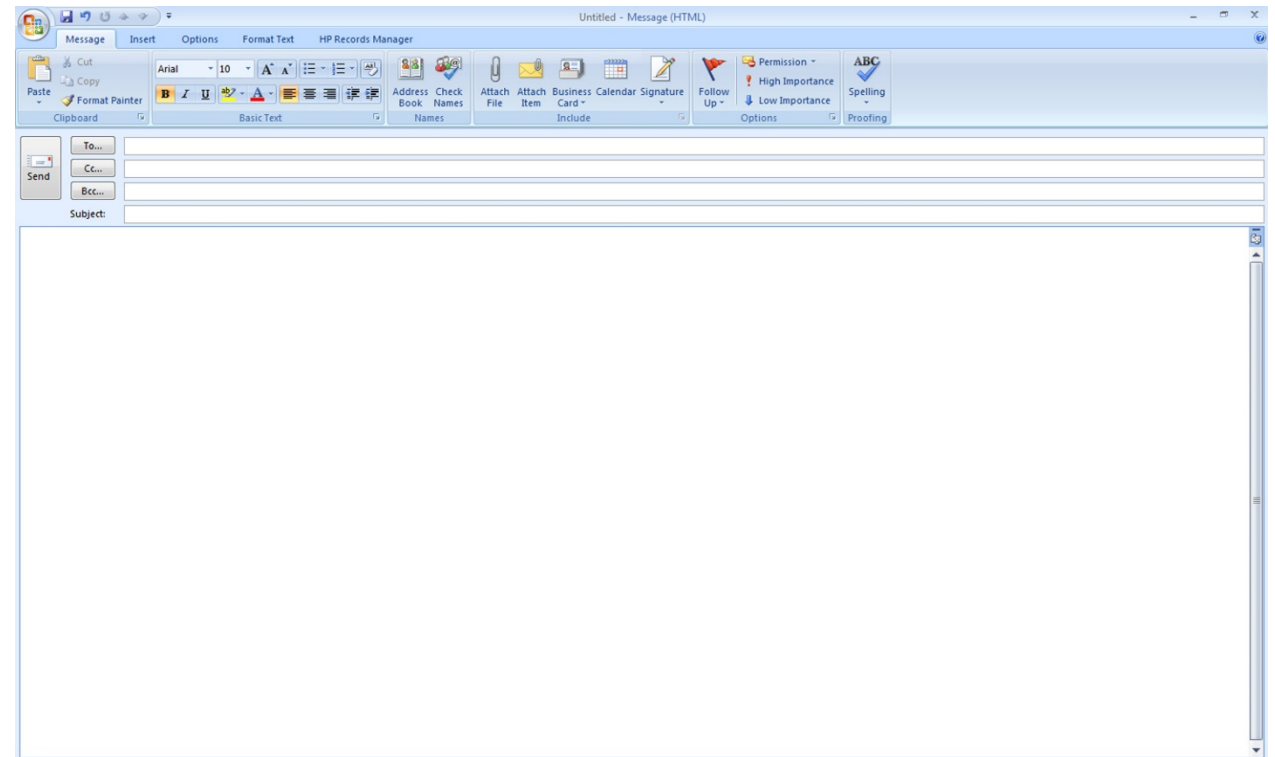
Fall Protection

- Safety Harness, with double lanyard
- Allowed for sufficient time needed for extraction without suffocation
- Double Lanyard enabled true 100% Fall Protection

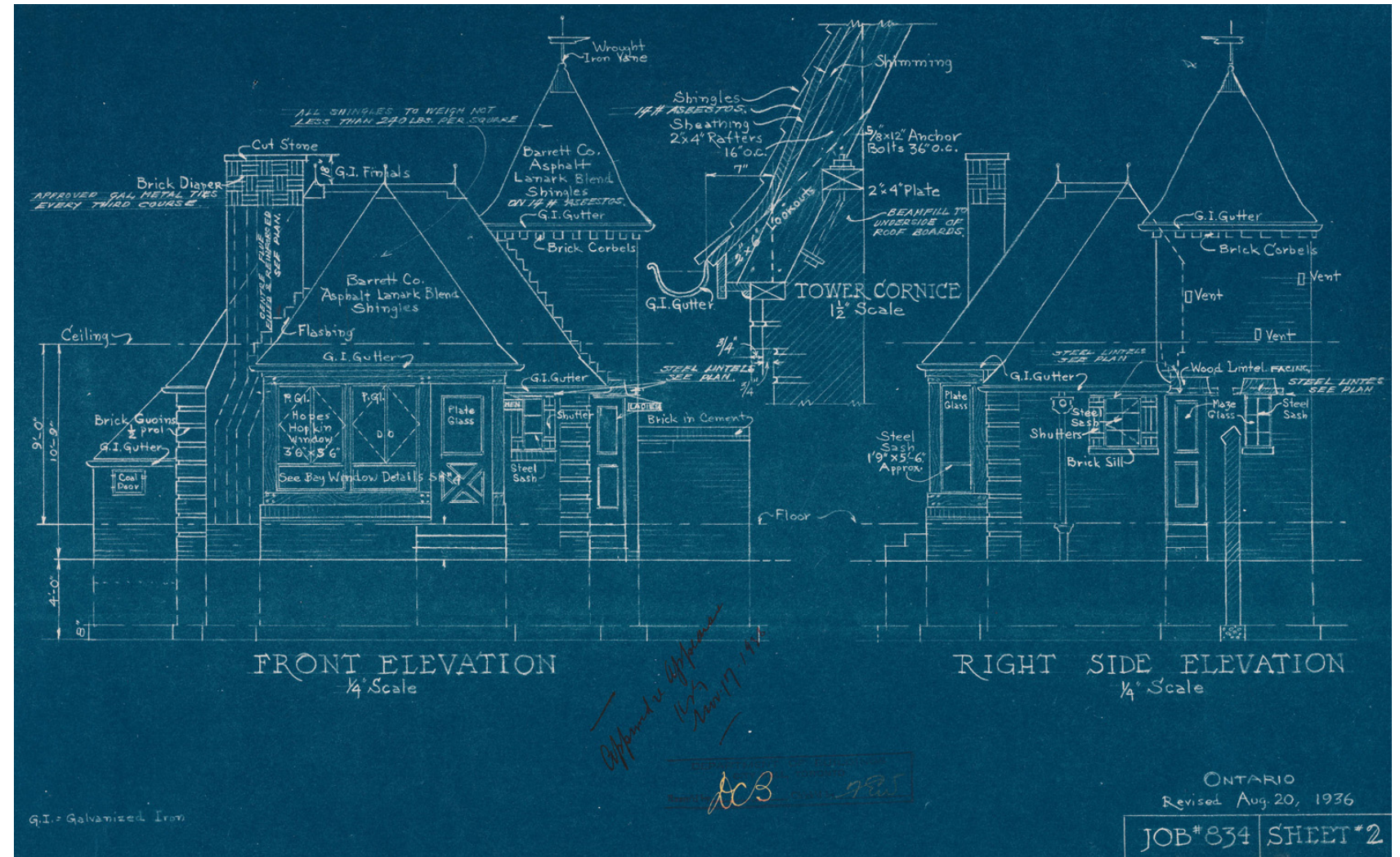


Electronic Mail, now E Mail

- Supplemented written communication
- Telex's, then faxes, then email
- Evolved to include attachment capability



- Were actually 'blue'
- Hand lettered
- Templates and straight edges used



8 Track Tapes

- Major advancement from reel to reel



Cassette Tapes

- Big advancement from 8-track tapes



Bluetooth

- Wireless connections



Dot-matrix printer

- Big advancement from images made by striking against an ink ribbon



Driverless vehicles

- Exist now



Drones

- Unmanned aircraft vehicles



DVD / CD

- Big advancement from plastic tape
Beginning from reel to reel devices, to
8 track tapes to cassette tapes to plastic m
such as DVD's and CD's



Floppy disks

- Plastic storage components
- Rewritable and non-rewritable
- 5 ¼" then 3 ½", now extinct



Internet

- Global electronic connection
- World Wide Web



Communication

- First was telephone and telegraph
- Now Email, Skype, Sametime, WhatsApp, Line, Texts, and more



Weather forecast

- Look up in the sky
- A real issue that impacted construction sites, safety, and progress



Weather channel

- 24/7 global coverage
- On your Smart Device, phone, car and television



Microwave Ovens

- Enabled more flexible menu for staff and workers

Make the greatest cooking discovery since fire.



Introducing the incredible new **Amana Radarange** Microwave Oven. It bakes a potato in 4 minutes, sizzles a hamburger in 60 seconds, cuts turkey-roasting time 75%. No flame. No red-hot coils.

No more slaving over a hot stove. No more scrubbing pots and pans. No more need to prepare food hours in advance. And no more grease film on your kitchen walls. The Amana Radarange Oven ends all that with a totally new way to cook, defrost or re-heat food—fast, safe microwave energy.

Now Amana offers you the world's first portable microwave oven. It will help you and your family prepare gourmet meals with a speed and a convenience you never dreamed possible.

The Amana Radarange Oven cooks your food so fast that flavor and vitamins are sealed in. This miracle worker ends hot kitchens—because only the food you cook gets warm. The oven stays cool to the touch. There's no messy cleanup—because you cook on glass, plastic or paper, and clean the oven with a damp cloth. Frozen foods defrost in a jiffy, too.

The Amana Radarange Oven operates on standard 115-volt outlets, and uses about as much electricity as a fry pan. Tell Santa about this exciting new way to cook. Make it your discovery for the whole family. See your Amana dealer now. Or write Ann MacGregor, Amana Refrigeration, Inc., Dept. 8, Amana, Iowa 52203.

Amana Radarange
microwave oven
Backed by a century-old tradition of fine craftsmanship.
Amana Refrigeration, Inc., Amana, Iowa, Subsidiary of Raytheon Company

A breeze to operate! Set a timer—push a button.

1. Open door, put food in. Close door.
2. Set Timer Control and push "Start" switch.
3. To check food, just open door. Unit shuts off automatically.
4. To resume cooking, close door and push "Start" switch, again.

Radarange Total Appliance Warranty: Amana warrants that if used from date of original purchase for 5 years and only in U.S., these appliances or parts including replacement of parts found defective, are no responsibility or warranty under existing laws, and warrant through Amana's dealer-retailer organization. Dealer is responsible for local charges, replacement of parts, repairs, labor or parts, light bulbs and accessories, and parts not covered by warranty. Amana warrants only when it is properly installed and used according to the owner's instructions. Amana does not warrant the microwave oven for use in hospitals, schools, restaurants, hotels, or other public places. Amana's liability is limited to the amount of the purchase price of the microwave oven. Amana's liability is limited to the amount of the purchase price of the microwave oven. Amana's liability is limited to the amount of the purchase price of the microwave oven.

Personal Computer

- Replaced reliance on main frame computers



Laptop computer

From main frames to personal computers To laptops, notebooks, ipads, and other devices



Smart phone

- Apps Apps Apps
- Also alarm clock, video and still photo camera, tracking device, encyclopedia, and so many other uses . . . Even has personal assistant!



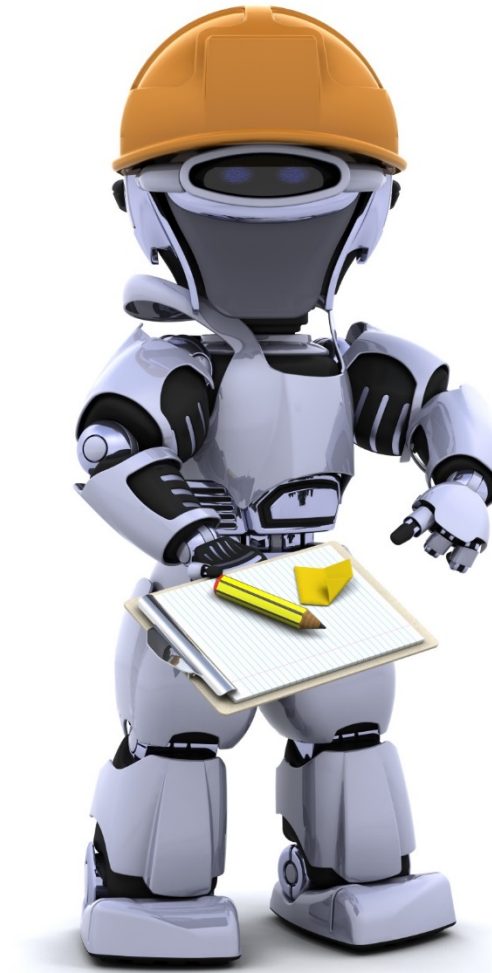
Advanced Laptop

- Were thick and heavy, with big batteries
- Evolved to be lightweight with detachable screens



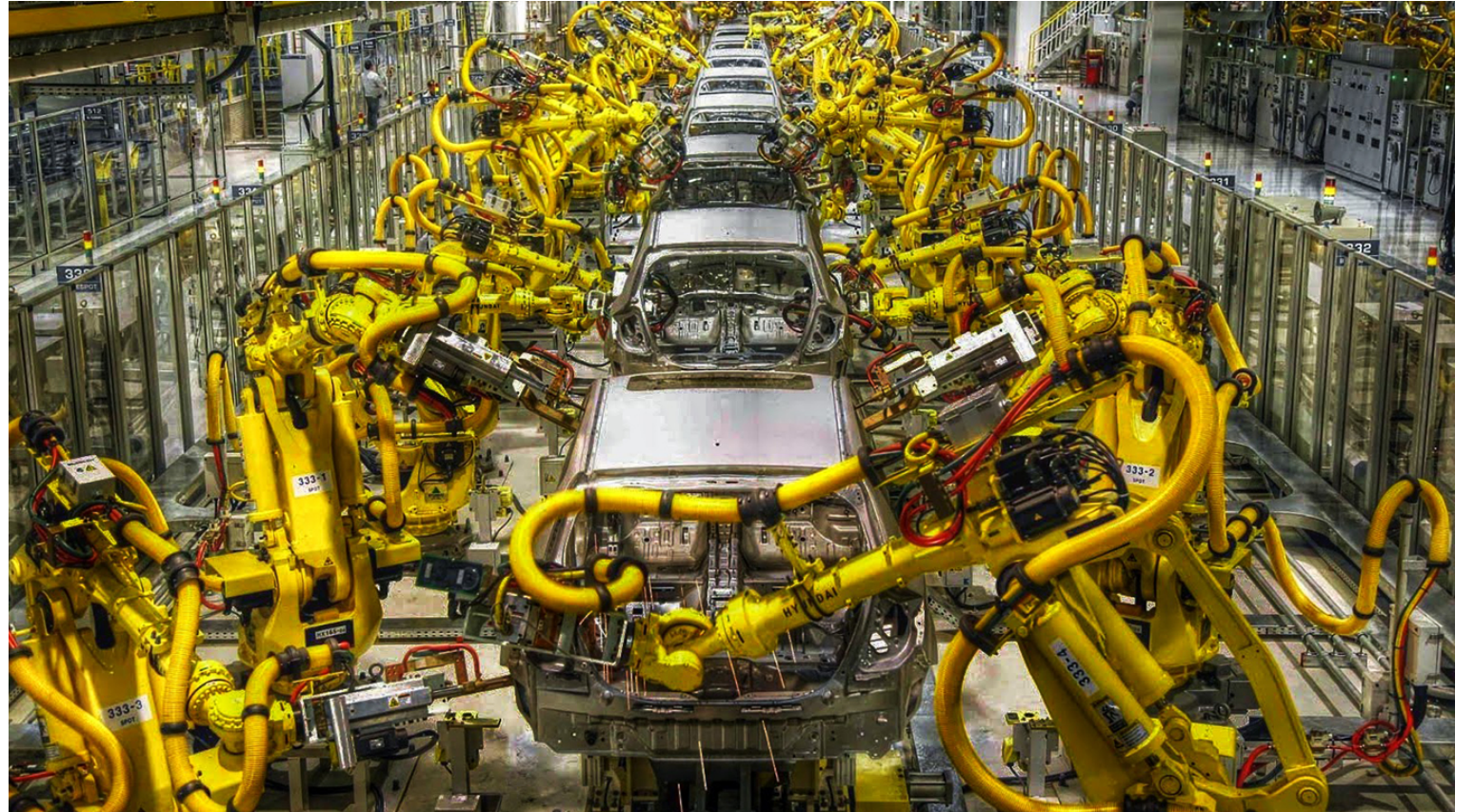
Robot

- Robots were fictional characters from . . .
“Lost in Space” or the “Jetsons”
- Now they perform many routine and complicated functions
- Long before next 50 year ECC celebration, we will have ‘craft-bots’ construction our jobs



Robotics

- Became commercial and now expanding



Philadelphia Rod

- Used by surveyors together with a level to determine existing elevations and layout new



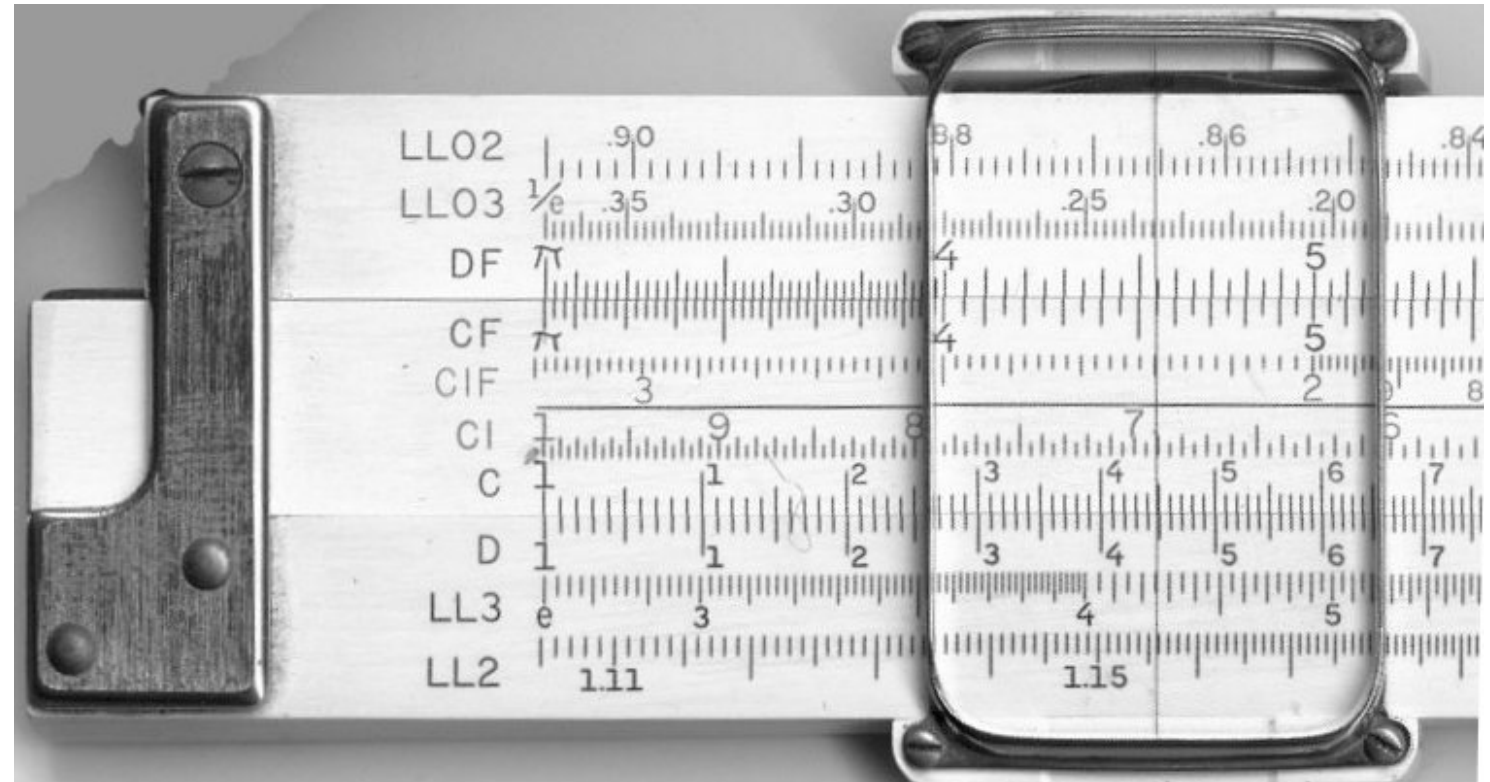
OSHA

- President Nixon signing OSHA into law
- Created a new agency in the Dept of Labor; a new governance and standard for plant and personnel safety



Slide rule

- Preceded the calculator for math calculations



Chalkboard

- ... With chalk



White board

- Replaced black board and chalk



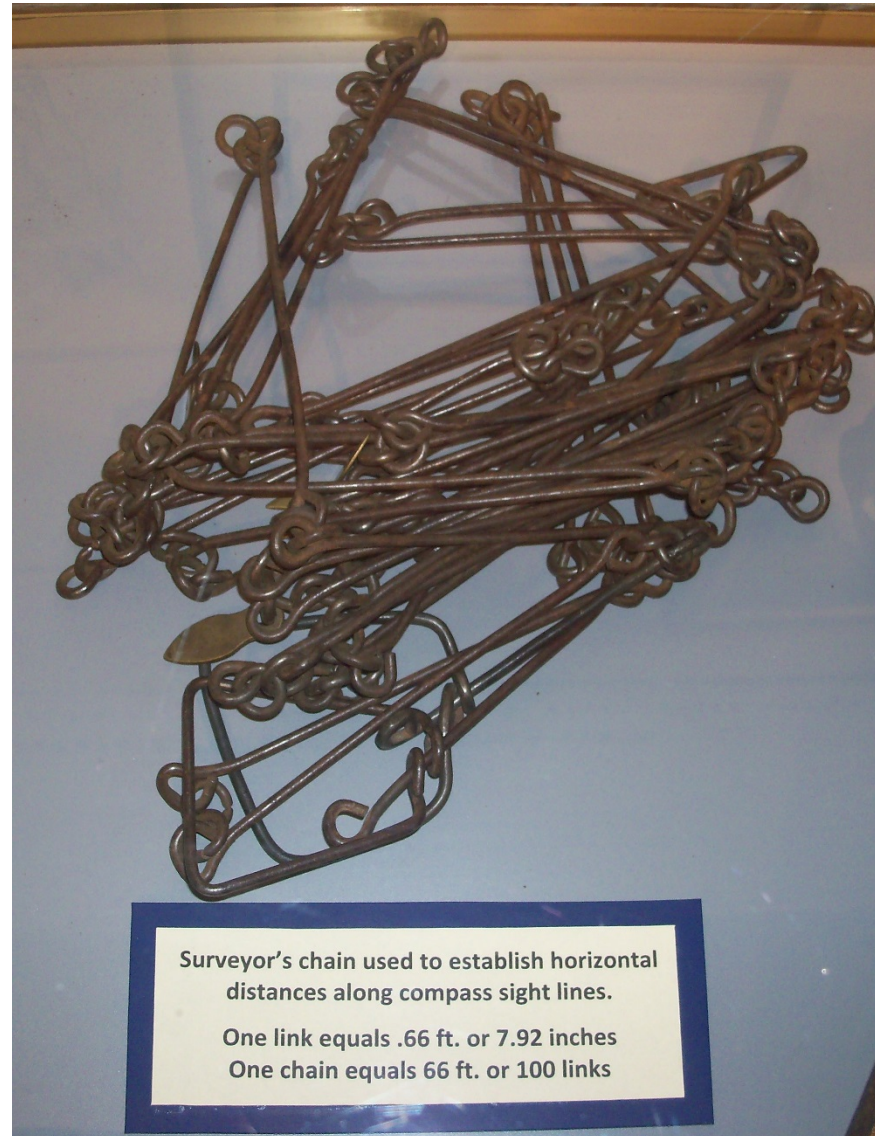
Smart board

- Black board to white board to smart board!



Surveyor's Tool

- A 'chain' used to measure horizontal distances



Surveyor's Chain

- For horizontal measurements
- No electronics, no GPS
- Held manually together with a plumb-bob to measure distances; reading had to be manually adjusted for temperature



Measuring Tape

- With convenient handle and crank mechanism to recoil



Telex machine

- Provided typed messages thru phone line
- Note rotary dial which also disappeared in the 70's



Theodolite Transit

- Surveyors best friend
- Accurately measures angles, both horizontal and vertical
- Centuries old, but only in recent decades was modernized



Wifi

- Household word
- Long way from Hi-Fi



Yellow Pages

- Business telephone listing
- Best friend for procurement and buyers
- There were white pages too!

20 Beer—Bicycles DOVER

DELAWARE'S OWN
DIAMOND STATE
DRAUGHT BEER BOTTLES
"Good for over 75 Years"
DIAMOND STATE BREWERY, Inc.
5th & Adams Sts. Wilmington

Call Wilmington
3-4258



WHISTLE Bottling Co.
E. FRONT ST. MILFORD, DEL.
BEER
AND
CARBONATED BEVERAGES
PABST BLUE RIBBON - ESSLINGER
GUNTHERS - HORNUNGS - KRUEGER
P. O. S.
PEPSI-COLA - CANADA DRY - 7 UP
Just Call MILFORD 304-W

Beer Distrib.
DIAMOND STATE BREWERY INC.
(See advertisement this page)
Whistle Bottling Co. & Front
Miford-38

Beer Gardens
Ammack Harry Corner & Market Saginaw-44

Bees Wax—See Wax

Belting—Mechanical
ATLANTIC MANUFACTURING CO.
2nd & Walnut Wilmington-24
BRIDGE JOHN SONS 7th & Pennell Chester-22
Rupprecht & Co. 2nd Market St. Wilmington-72

Bench Legs—Steel
Rupprecht L. W. Co. 2nd Market St. Wilmington-72

Benches—Work
Rupprecht L. W. Co. 2nd Market St. Wilmington-72

Beverages.
Dover Coca-Cola Bottling Co. 10th St. Dover-26
Genther's Package Store 1st East Haverhill-2
High High Grover 1st & 2nd N. Walnut Milford-4
Huguenot Frederick C. 2nd Market Milford-3
Huguenot Joe & Sons 2nd Market Dover-2
Huguenot L. W. Co. 2nd Market Dover-2
Huguenot L. W. Co. 2nd Market Dover-2
PEPSI-COLA BOTTLING CO.
(See advertisement this page)
PURITY BEVERAGE CO. 613 S. State Wilmington-23
WHISTLE BOTTLING CO. E. Front Miford-38
(See advertisement this page)

Bicycles—Dlrs., Repairers & Rental
BICHANAN SERVICE 2nd & Corners at Dover-27
DOVER CARLES 1st St. Dover-31
EDMUND AUTO SUPPLY INC. 2nd & Walnut Miford-38
Huguenot L. W. Co. 2nd Market Dover-2



BOTTLED BY PEPSI-COLA
BOTTLING CO., SALISBURY, MD.
Under Appointment Pepsi-Cola Co., New York
SALISBURY 246
RACE ST. & SNOW HILL RD. SALISBURY, MD.

Buyers' Guide
Advertisements in the Yellow Pages tell you what you need to know about the product or service you want to buy.
Where Located
WHO SELLS IT
TELEPHONE NUMBER
 "Where to Buy It"

Electric Typewriter

- Initial was just electric
- Then with memory
- Programmable



Equal Opportunity

- EEO, Affirmative Action and all HR



Basic Calculator

- Basic functions with LED
- Then rechargeable
- Then scientific functions
- Then programmable
- Then quartz crystal
- Then solar charging



Vocabulary expansion

- Bytes, kilobytes, megabytes, gigabytes
- Wifi, Bluetooth,
- CD, DVD
- USB, HDMI,
- Modularization!
- Work packaging . . . Advanced Work Packaging!
- Human Relations / Human Resources
- EEO, Affirmative Action, Diversity
- ISO 9000