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Cleveland Chapter of The American Society of Plumbing Engineers

August 2010

#### From the President:



Has everyone been enjoying the summer and enjoying the elevated heat wave? I know this has been a hot one but I am looking forward to the upcoming **Golf Outing** on **August 5**<sup>th</sup> at Fowlers Mill.

We will also be having our **Annual Clam Bake** at the Cleveland Yachting Club in Rocky River on **September 8, 2010**. See included registration form in this month's edition of the Newsletter for more information.

Sincerely,

Keith Bush President

#### \*\*\*\*\*\*

#### Special Opportunity: Receive an Early-Bird 5% Discount on ASPE Registration

SPECIAL NOTICE \* LIMITED TIME \* NO EXCEPTIONS

DISCOUNT COUPON

USE COUPON NUMBER: ASPE8132010

GOOD ONLY UNTIL AUGUST 13, 2010

FOR ONLINE CONVENTION REGISTRATIONS ONLY

**EXPIRES: AUGUST 13, 2010** 



THIS SPECIAL DISCOUNT MAY NOT BE USED OR COMBINED WITH ANY OTHER PROMOTION OR DISCOUNTS (SUCH AS MULTIPLE ATTENDEE DISCOUNTS).

### A.S.P.E. CLAM BAKE WEDNESDAY SEPTEMBER 8, 2010

The first A.S.P.E. meeting of the year will take place at our annual clam bake.

This meeting is member "appreciation and participation" and is open to Family and Friends.

All Spouses that attend can do so at a discounted rate of \$17(50% off!).

The Clam Bake is scheduled for September 8, 2010 and will be held at the **Cleveland Yachting Club in Rocky River**.

Our Cleveland Chapter is one of the most successful chapters in the country because of its members. Our clam bake is a perfect time to "participate" and meet other members.

#### THE CLAM BAKE WILL INCLUDE:

- CLAM CHOWDER
- ONE DOZEN CLAMS
- 1/2 CHICKEN OR STRIP STEAK
- CORN ON THE COB
- SWEET POTATOES OR REDSKINS
- DINNER ROLLS WITH BUTTER
- DESSERT
- COFFEE, DECAF COFFEE, TEA

COST PER BAKE - \$34.00

TOTAL ENCLOSED = \$\_\_\_\_\_

Please make checks payable to: A.S.P.E. Cleveland Chapter

Mail to: Craig McDowell Omar McDowell Company 25109 Detroit Rd., #320 Westlake, Ohio 44145

Send your RSVP to Craig at: Fax: (440) 808-2266

Phone: (440) 808-2280

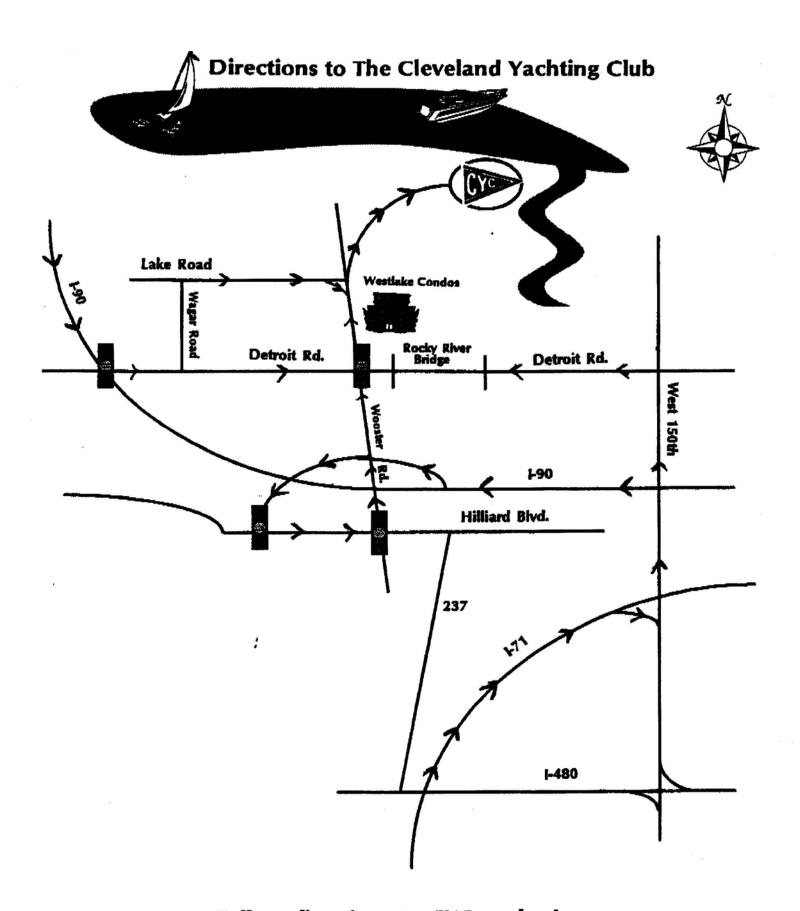
Email: craig@omarmcdowell.com



The tradition still remains... Whoever shows up in a clam suit will receive a free dozen clams!



<sup>\*\*</sup>Deadline for Registration: September 3, 2010\*\*



Follow directions to CYC on back.

#### Follow these directions to CYC

#### From Lake Road (Western Suburbs - heading East)

Take Lake Rd. heading East. After passing Java Zone Restaurant stay in right lane. Follow signs for Detroit Rd. /Alt 6. (Do not cross the bridge to Lakewood!) Follow exit ramp to stop sign at end. Cross over road taking a left onto Yacht Club Drive. Go down the hill, crossing a small bridge onto island.

#### From I-90 /Rte. 2 (Western Suburbs)

Take 1-90/Rte. 2 east to Detroit Rd. exit Turn left at exit ramp light onto Detroit Rd. Go 9 lights to Detroit - Wooster intersection.

Turn left onto Wooster Rd.

Go past large pink building (Westlake Condos), under railroad trestle bridge, staying in right lane will put you on Yacht Club Drive. Go down the hill, cross over small bridge onto the island.

#### From I-90 (Downtown Cleveland and Eastern Suburbs)

Take I-90 West to Hilliard/Rocky River exit.

At exit ramp light, turn left onto Hilliard. Then turn left onto Wooster Rd.

Continue on Wooster crossing Detroit Rd. intersection, pass large pink building (Westlake Condos). Go under railroad trestle bridge, staying in right lane will put you on Yacht Club Drive. Go down the hill, cross over small bridge onto the island.

#### From I-77 (Southern Suburbs)

Take 1-77 to 490 West to 1-90 West. Exit at the Hilliard/Rocky River exit.

At exit ramp light, turn left onto Hilliard. Then turn left onto Wooster Rd.

Continue on Wooster crossing Detroit Rd. intersection, pass large pink building (Westlake Condos). Go under railroad trestle bridge, staying in right lane will put you on Yacht Club Drive. Go down the hill, cross over small bridge onto the island.

#### From I-71 (Southwestern Suburbs)

Take I-71 North to I-90 West. Exit at the Hilliard/Rocky River exit.

At exit ramp light, turn left onto Hilliard. Then turn left onto Wooster Rd.

Continue on Wooster crossing Detroit Rd. intersection, pass large pink building (Westlake Condos). Go under railroad trestle bridge, staying in right lane will put you on Yacht Club Drive. Go down the hill, cross over small bridge onto the island.

#### From I-480

Take West 150th north to Detroit Rd. Turn left onto Detroit Rd. Cross the Rocky River Bridge. At the end of the bridge turn right at the light onto Wooster. Pass large pink building (Westlake Condos). Go under railroad trestle bridge, staying in right lane will put you on Yacht Club Drive. Go down the hill, cross over small bridge onto the island.

WE TOOK THE THERMOSTAT OUT AND PUT IN

# BRAIN.

See The Brain™ at work at www.armstrong-intl.com/aspe

GO





#### UNPARALLELED HOT-WATER TEMPERATURE CONTROL IN AN ELECTRONIC MIXING CENTER (EMC) THAT PLAYS IT SMART AND SAFE.

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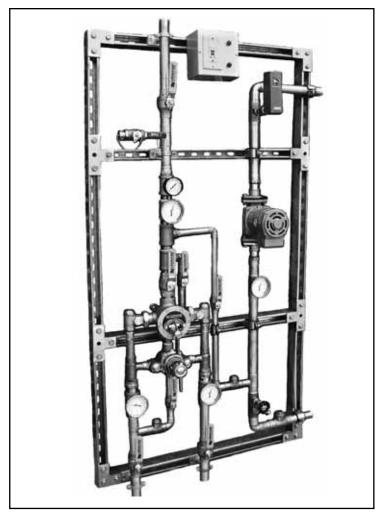
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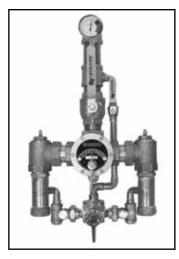
Large Enough To Meet Your Needs, Small Enough To Care

# More Choices

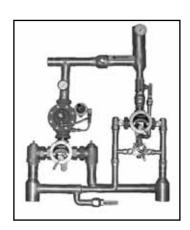
## because water temperature control is all we do.



MEGATRON® Complete Water Temperature Control Stations in Seven Models!



New Generation High Low Systems in Six models!



High Capacity Manifold Systems in Seven Models!

At Leonard Valve, water temperature control is not a sideline, it's our lifeline. Since 1913 we have been the leader in water temperature controls and because that's all we do, no one offers more choices, more quality or more reliability. All products are pre-assembled and pre-tested with Leonard's exclusive DURA-trol® solid bimetal thermostatic control, Automatic 7 Year Thermostat Warranty, CASPAK® sizing, and on-phone, on-line, on-site technical support. Visit our website for more information.





## More Tepid Choices....

## because water temperature control is all we do.

Single Models with Integral Cold Water By-Pass









Eye/Eye Face Wash



Multiple Eye/ Eye Face Wash

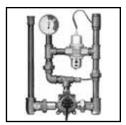


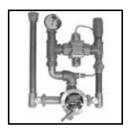


Multiple Drench/ Combination Showers

Redundant Models with Integral Cold Water By-Pass and Temperature Override Protection









All Leonard Emergency mixing valves meet ANSI Z358.1/2004 requirements, providing tepid water to emergency showers and eyewash equipment. Systems feature the DURA-trol® solid bimetal thermostats which are not subject to rupture, fatigue or loss of power, high temperature limit

set at 90°F (32°C), locked temperature regulator set for 85°F (29°C). Eight sizes, sixteen basic models to choose from. At Leonard, water temperature control is not a sideline, it's our lifeline. Since 1913 we have been the leader in water temperature control.





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Submersible Pumps

Vertical Turbine Pumps

Domestic Water Heating Systems

Heat Exchangers

Plate Heat Exchangers

Replacement Tube Bundles

Shell & Tube

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Hydronic Specialties

Pressure Booster Systems

Variable Speed Systems

Expansion/Compression Tanks

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Differential Gauge Kits

#### **CEMLINE CORP.**

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Boiler Blowdown Separators

Condensate Coolers

Hot Water Storage Heaters

Packaged Water Heaters

Replacement Tube Bundles

Stone Steel Lined Tanks

Unfired Steam Generators

#### ITT DOMESTIC PUMP

Boiler Feed Systems

Condensate Return Pumps

Pressure Powered Pumps

Vacuum Pumps

#### DOW HEAT TRANSFER FLUID

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#### FLEX-HOSE CO., INC.

Flexible Pump Connectors

Expansion Joints/Loops

**Expansion Compensators** 

Pipe Guides

#### **GRISWOLD CONTROLS**

Automatic Flow Limiting Valves

Coil Hook-Up Kits

Solids Separators and Filter Systems

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#### **HBX CONTROL SYSTEMS**

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#### **ITT HOFFMAN SPECIALTIES**

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Vacuum Pumps

Steam Reducing and Control Valves Steam Traps, Vents & Specialties

#### **ITT MCDONNELL & MILLER**

**Boiler Safety Controls** Level Controls

Flow Switches

#### **KADANT JOHNSON**

Pressure Powered Pumps

Separation Devices

Vacuum Breakers

Solenoid Operated Valves

#### **LAARS HEATING SYSTEMS**

Residential/Commercial Boilers Commercial Water Heaters Commercial Pool Heaters

#### **MP PUMPS**

Self Priming Pumps High Temperature Pumps Engine Driven Pumps

#### **NILES STEEL TANKS**

Glass Lined Storage Tanks Specialty Tanks

#### PETERSON EQUIPMENT CO.

"Petes" Pressure/Temperature Test Plugs

#### **PRESO**

Annular/Venturi Flow Meters

#### **ROVANCO**

Pre-Insulated Pipe

#### Containment Pipe **TOWER TECH COOLING TOWERS**

High efficiency cooling towers

**HVAC Cooling towers** Process cooling towers

Power generation cooling towers

#### **VERTIFLO**

Pedestal Mount - Sump Pumps

#### WATTS RADIANT

Radiant Heating Products

Snowmelting

Electric Radiant Heating

#### WEKSLER GLASS

Pressure Gauges Temperature Control Valves

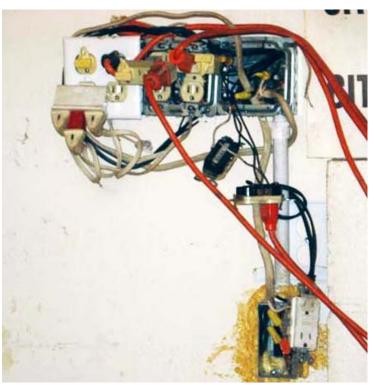
Thermometers

#### WESSELS COMPANY

Custom Tanks

Glass Lined Storage Tanks

#### COULD THIS BE THE REASON WE HAVE INSPECTORS? Part 2 of 2



There's arcing? I wonder why



Breakers keep tripping. Let's just take them out!



Eventually it will become a concrete wall equipped with weeping holes?



How about a 360 degree to an inline trap equipped with a u-trap along the way



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Copper -K, L, M, DWV
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Gas - EOG, COLUMBIA
PVC -40, 80, DWV, CPVC, Sewer
Flowgnard Gold, CPVC
Pex
Stainless Steel
Brass
Clay
DFEY - Enfield Mach, Joint

#### FITTINGS

Fafasion.

Engure

DIXON-CAM & Groove Specialty hums
Malleable, Cast Iron
Forged Steel - Thrd, Socket Weld
Soil, SW, No Hub
VICTAULIC - Grooved, Pressfit, No-Sweet
Copper, Cleaned for Oxygen
VIEGA ProPress
Gas - FOG, COLUMBIA
PUC-40, 80, DWV, CPVC, Sewer
Flowguard Gold, CPVC
Pex
Stainless Steel
Brass - Thrd, Comp, Flare, Hose
Clay
IPEX - Enfield Mech. Joint
Enfusion
Engure
Butt Weld, Carbon, Stainless, Aluminum

#### COUPLINGS

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ACTARIS - Gas Regulators and Meters
Central Plastics
Performance - Gas Pipe and Fittings
Rockwell - Poly Gas Valves NORMAC
- Fittings PERFECTION CORP. X-TRU
COAT - Steel Pipe DRESSER APPT -

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TRERICE

Gas Test Equipment

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STOCKHAM - Bronzo, Ball, Iron, Butterfly
VICTAULIC -- #300, #700, Ball, Check
RESUN - Ping
HAYWARD - PVC/TU, Ball, Check, Single Entry,
Strainers
JOMAR - Ball, Add-a-Valve
EVERLASTING - Boiler Blow Down
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Markers & Softmers BRADY - Pipe Markers, Valve Tags HANDLEY - Valve & Curb Boxes Geskets, Oarlock, Granite, Spiral Wound Pipe Insulation, Heating Tape and Fittings Pipe Sleeves, Link Seals

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Dr-SINK-ERATOR
Coil Type Heaters
Instantaneous Water Heaters
CHRONOMITE

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SYMMONS
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ELKAY
OLSONITE SEATS
JUST-SS Sinks
IN-SINK-ERATOR - Disposals
SLOAN - Flush Valve & Parts
DELANY - Flush Valve & Parts
E. L. MUSTEE - Laundry Trays, Mop Basins,
Durastall Showers
ACORN - Parts ZURN - Flush
Valve & Parts FLAT - Fixtures

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BRADLEY - Sinks & Fixtures

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#### SERVICES

Valve Automation Electric and Pneumatic Lakeside Managed Store Rooms



Who is going to work on this... if there is a plumbing or electrical problem?



An extension cord would have been better. You think?



No place to put the sink? Then let's make it a combination sink and shower



Long flexible elbow?

#### MASTROIANNI & ASSOCIATES, INC.

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#### PACO PUMPS...... www.paco-pumps.com Sump Pumps End Suction & In-Line Centrifugal Pumps Sewage Ejectors Horizontal Split Case Condensate Pumps LoNPSH Pumps Boiler Feed Pumps RUNTAL.....www.runtalnorthamerica.com Hot Water & Steam Radiators Architectural & Custom Perimeter Heating <u>NEXUS</u>..... www.nexusvalve.com Combination Balance Valves Coil Piping Packages PURE HUMIDIFIER..... www.purehumidifier.com Gas Humidifiers • Steam & Electric Self-Generating Humidifiers VIBRATION ELIMINATOR..... www.veco-ny.com Spring Isolators & Rubber-in-Shear Isolators Neoprene Pads SEISMIC Inertia Bases Roof Curb Isolators, Rails & Bases Floating Floors HYSPAN/BARCO..... www.hyspan.com Ball Joints (For Pipe Expansion & Movement) Portable Read-out Meters Venturi Flow Measuring System TIGERFLOW...... www.tigerflow.com • Domestic Water Booster Packages Variable Flow Pump Packages Heat Exchanger Packages <u>THRUSH</u>..... www.thrushco.com End Suction & In-Line Pumps Heat Exchangers MUELLER.....www.spxvalves.com • Triple Duty Valves (Grooved) Suction Diffusers POLARIS.....www.polarisphe.com • Plate & Frame Heat Exchangers VALUE ENGINEERED PRODUCTS...... www.valueng.com Insulated Pipe Inserts METRAFLEX.....www.metraflex.com • Flexible Connectors: Rubber, Stainless Steel & Teflon Pipe Guides Expansion Joints & Compensators Check Valves MetraLoops & FireLoops Air Vents MetraSeals & FireSeals (pipe to wall seals) Strainers <u>JOHN WOOD CO</u>..... www.johnwood.com **Expansion Tanks** Air Separator

Website: <u>www.mastroiannihvac.com</u>

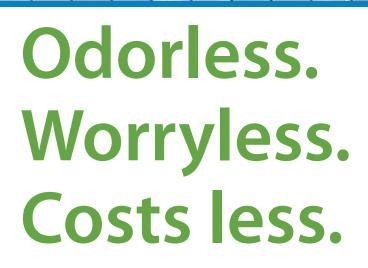
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Representing the following product lines:

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ABT – Polydrain www.abtdrains.com	Pre-sloped polymer trench drains, <i>Trench Former</i> – pre-sloped trench drains systems.
American Plumber www.americanplumber.com	Sediment cartridge filters, drinking water systems, water softeners, media filters, point of use filters and specialty filters.
Aqua Glass www.aquaglass.com	Acrylic and gelcoat fiberglass shower stalls, bathtubs, soaking tubs, whirlpools, multi-piece, special care, wall kits and laundry tubs for residential, commercial and institutional.
Bermad www.bermad.com	Automatic control valves for: pressure reducing, fire protection control, pressure relief, pum control, float, check, altitude, flow and hydrometers.
Bosch Pro Tankless Water Heaters www.boschpro.com	Tankless instantaneous water heaters. Wall hung hydronic boilers.
Bosch Tools www.boschtools.com	Corded and cordless power tools and accessories including the following products for the professional contractor: <i>Bosch, Skil, Dremel, Roto-Zip, Litheon.</i>
Bradley Corporation www.bradleycorp.com	Washfountains, <i>Express</i> and <i>Frequency</i> lavatory systems, <i>Ndite</i> technology, <i>Navigator</i> thermostatic mixing valves, showers, safety equipment, metering faucets, security fixtures, patient care units, <i>Terreon</i> solid surface products.
Creative Industries www.creative-terrazzo.com	Pre-cast terrazzo shower floors, mop basins, concrete laundry tubs and stairs or benches, terrazzo or concrete or glass counter tops and custom terrazzo products.
Eemax / HHP Home Heating Products www.eemaxinc.com www.hhproductsinc.com	Electric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters, <b>Home Heating Products</b> <i>Thermostone</i> decorative towel warmers and room heating stones, <i>Solar Shower</i> solar powered outdoor shower system.
Marlo www.marlo-inc.com	Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water treatment equipment.
Mifab www.mifab.com	Cast iron floor drains, floor sinks, roof drains, cleanouts, carriers, interceptors, hydrants, shock absorbers, trap primers, backwater valves, access doors, no-hub couplings, pipe markers, roof blocks, <i>Proformer</i> modular trench drain system, <i>Beeco</i> backflow's and prv's.
Moen Commercial www.moencommercial.com	Commercial, industrial & institutional faucets and fittings. <i>FreeHand</i> sensor operated flush valves and faucets.
Plumberex www.plumberex.com	<b>Pro-Extreme, Trap Gear, Handy Shield Maxx</b> and <b>Clear Shield</b> lavatory trap and riser insulation kits. <b>Mushroom Flange and Floor Sink Carrier</b> specialty products.
Proceptor / Green Turtle www.proceptor.com	Fiberglass oil, grease, and solids interceptors with 30-year bonded warranty, available as decontamination or storage tank, double wall, leak detection and level sensing. <i>PHIX</i> acid neutralization systems. <i>Retroceptor</i> kitchen and <i>Microceptor</i> coffee grinds interceptors.
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Schott Scientific Glass / Kimax www.us.schott.com/drainline	Glass piping for acid waste and containment piping systems. <i>Knight-Ware</i> acid neutralizing sumps.
Water Control Corporation www.watercontrolinc.com	Rainwater Reclaimation Systems with Ultraviolet or Ozone purification, vortex downspout separators, storage tanks and complete controls for turnkey systems.
Waterless Company www.waterless.com	Waterless "No Flush" vitreous china and fiberglass urinals with EcoTrap and Blue Seal liquid. UTC Sentinel sensor flushing systems. Everprime floor drain trap primer liquid. Signature and Greenclean chemicals.
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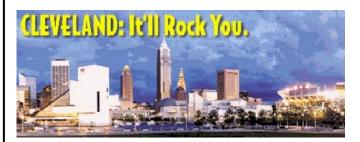
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