

# Screening Room Services

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## Carbon Arc Theatres A Living List

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August 20, 2015

Early light sources for projectors included the oil lamp (very low brightness), the “lime light” (ca 1860, the earliest non-electric stage light source, quite bright for its time at about 2,000 degrees K), incandescent lamps (ca 1880, pioneered by Edison, about 2600 degrees K) and carbon arc lights (ca 1890 on, about 5,000 degrees Kelvin). Inasmuch as the color temperature of sunlight is 5,000 degrees Kelvin and higher, the carbon arc afforded the best natural-looking light source for both filming movies and projecting them.

Development of the xenon lamp solved the problem of consumption of the carbon electrodes as they “burned” in projection arc lamps, and enabled development of long-playing film “platters” and automated projection booths. Even today’s digital projectors use xenon lamps.

Happily there remain some classic and retrospective cinemas that have retained their carbon arc projection equipment, enabling truly authentic screenings of classic films as they were meant to be seen. The following matrix lists some of these venues and it will be updated periodically as more current information is available.

If you live near any of the listed theatres, seek them out and support them by attending their screenings.

If you are associated with any of the listed theatres, please contact us with updated information.

### Theatres in the US using carbon arc changeover projection or other carbon arc equipment...

Theatre	Loew’s Jersey Theatre
Location	Jersey City, NJ
Organ	4/23 Robert Morton
Projectors	Phillips FP-20s with variable speed drives (Also installing Norelco AAs with Strong X-60 Xenon Lamphouses)
Lamps and Trims	Ashcraft Super Core Lites, 13.6mm pos, ½” neg
Technical Contact	Robert Minichino, Technical Director ( <a href="mailto:robert@minichino.org">robert@minichino.org</a> )
Brenograph (or other) and trims	Master Brenograph (not working but has most of it's parts)

Theatre	<b>Newark Symphony Hall</b> (ex Mosque Theatre)
Location	Newark, NJ
Organ	3/15 Griffith-Beach
Projectors	Simplex XLs, XL soundheads
Lamps and Trims	Ashcraft Corelites
Technical Contact	Glenn Settles, Union Steward
Brenograph (or other) and trims	None

Theatre	<b>Ritz Theatre</b>
Location	Elizabeth, NJ
Organ	--
Projectors	Simplex XLs, XL soundheads
Lamps and Trims	Peerless Magnarcs
Technical Contact	George Castro, Owner
Brenograph (or other) and trims	Unknown effects machine

Theatre	<b>Stanley Theatre</b>
Location	Utica, NY
Organ	--
Projectors	Simplex XLs
Lamps and Trims	Ashcraft Core Lite 135s, 11mm pos
Technical Contact	Robert Throop ( rjt70mm@twcny.rr.com )
Brenograph (or other) and trims	--

Theatre	<b>Landmark</b> (ex Lowes State)
Location	Syracuse, NY
Organ	--
Projectors	Simplex XLs
Lamps and Trims	Strong Excelites, 11mm pos, 3/8" neg
Technical Contact	--
Brenograph (or other) and trims	--

Theatre	<b>Capitol Theatre</b>
Location	Rome, NY
Organ	3/7 Moller
Projectors	Simplex XLs with DC variable speed drives
Lamps and Trims	Ashcraft Super Core Lites
Technical Contact	
Brenograph (or other) and trims	Chicago Cinema Effects

Theatre	<b>Brooklyn Center Cinema</b> (Walt Whitman Theatre)
Location	Brooklyn, NY
Organ	--
Projectors	Simplex XLs
Lamps and Trims	Peerless Magnarcs, 9mm pos, 8mm neg
Technical Contact	Frank Angel ( Angel@BrooklynCenterCinema.com )
Brenograph (or other) and trims	--

Theatre	<b>Riviera Theatre</b>
Location	North Tonawanda, NY
Organ	3/16 Wurlitzer (original installation)
Projectors	Simplex E-7s
Lamps and Trims	Peerless Magnarcs
Technical Contact	--
Brenograph (or other) and trims	--

Theatre	<b>Redford Theatre</b>
Location	Detroit, MI
Organ	3/10 Barton (original installation)
Projectors	Norelco AAs
Lamps and Trims	Ashcraft Core Lites
Technical Contact	--
Brenograph (or other) and trims	--

Theatre	<b>Temple Theatre</b>
Location	Saginaw, MI
Organ	3/11 Barton (original installation)
Projectors	Cinemeccanica V-10s
Lamps and Trims	Ashcraft Core Lite Cinex 35/70 Specials, 13.6mm pos, 7/16" neg
Technical Contact	Paul Finn ( prfynn@hotmail.com )
Brenograph (or other) and trims	--

Theatre	<b>Hershey Theatre</b>
Location	Hershey, PA
Organ	4/78 Aeolian-Skinner (original installation)
Projectors	Century SAs, RCA MI-9050 soundheads
Lamps and Trims	Ashcraft Core Lites
Technical Contact	--
Brenograph (or other) and trims	--

Theatre	<b>Avon Cinema</b>
Location	Providence, RI
Organ	--
Projectors	Century Cs, original Western Electric soundheads
Lamps and Trims	Brenkert Enarcs, 8mm pos, 7mm neg
Technical Contact	--
Brenograph (or other) and trims	--

Theatre	<b>Wellfleet Drive-In</b>
Location	Wellfleet, MA
Organ	--
Projectors	Century Cs, original Western Electric soundheads
Lamps and Trims	RCA (Ashcraft) Dyn Arcs, 13.6mm pos, TBD neg
Technical Contact	--
Brenograph (or other) and trims	--

Theatre	<b>Byrd Theatre</b>
Location	Richmond, VA
Organ	4/17 Wurlitzer (original installation)
Projectors	Simplex XLs, SH-1000 soundheads
Lamps and Trims	Peerless Magnarcs have been replaced by Xenon lamphouses
Technical Contact	Bill Enos ( billenos@juno.com )
Brenograph (or other) and trims	Master Brenograph, with HX754 bulbs (carbon jaws are intact)

Theatre	<b>Empire Theatre</b>
Location	Tekoa, WA
Organ	--
Projectors	DeVry Model 10
Lamps and Trims	Strong Low Intensity Reflector
Technical Contact	Ken Layton ( projector.wa@netzero.com )
Brenograph (or other) and trims	--

Theatre	<b>Embassy Theatre</b>
Location	Fort Wayne, IN
Organ	4/16 Grande Page (original installation)
Projectors	Brenkert BX-100s, RCA 9030 soundheads and mag penthouses, variable speed drives
Lamps and Trims	Ashcraft Super CoreLite, 13.6mm pos
Technical Contact	John Williamson (john@americantheatreequipment.com)
Brenograph (or other) and trims	Master Brenograph, Model F-7, with more than 4,000 slides, fully catalogued

Theatre	<b>Jacobs Music Center</b> (ex San Diego Fox)
Location	San Diego, CA
Organ	4/32 Robert Morton (original installation)
Projectors	Simplex XLs with AC variable freq. drives, SH-1000 soundheads, SH-1025 penthouses
Lamps and Trims	Peerless Magnarcs, 8mm pos, 7mm neg
Technical Contact	Gordon Bachlund ( gordon@screeningroomservices.com )
Brenograph (or other) and trims	Parts only, nothing complete

Theatre	<b>Stanford Theatre</b>
Location	Palo Alto, CA
Organ	4/23 Wurlitzer
Projectors	Simplex XLs, SH-1000 soundheads
Lamps and Trims	Strong 35/70 Specials, 11mm pos, 3/8" neg
Technical Contact	Philip Krikau ( popcorn221@msn.com )
Brenograph (or other) and trims	--

Theatre	<b>Fox Theatre</b>
Location	Bakersfield, CA
Organ	--
Projectors	Simplex E-7s, SH-1000 soundheads
Lamps and Trims	Strong Futuras, 10mm pos, 11/32" neg
Technical Contact	
Brenograph (or other) and trims	Master Brenograph in storage

Theatre	<b>Casino Theatre</b>
Location	Avalon, CA
Organ	4/16 Page
Projectors	Brenkert BX-80s, RCA 1040 soundheads A separate projector with Xenon lamphouse and platter is used for daily movies
Lamps and Trims	Brenkert Enarcs, 9mm pos, 8mm neg
Technical Contact	--
Brenograph (or other) and trims	--