

Forthcoming Professional Meetings

SMPTE Technical Conference
29 October–3 November 1978
SMPTE Technical Conference and
Equipment Exhibit, Americana Hotel,
New York City. Info from SMPTE
Headquarters

The Society of Photo-Optical Instrumentation Engineers will hold its 22nd International Symposium and Instrument Display 28–31 August in San Diego. A number of concurrent seminars are planned on topics including Computer-Aided Optical Design; Computers in Optical Systems; Applications of Digital Image Processing; High-Speed Photography for Data Acquisition and Measurements; Image Understanding Systems; Laser and Fiber Optics Communications; Real-Time Signal Processing and others. Further information is available from SPIE, P.O. Box 10, Bellingham, WA 98225.

The Professional Motion Picture Equipment Association will conduct its annual symposium in New York City sometime during the week of the SMPTE Conference (29 October – 3 November). The event is being organized by a committee of PMPEA members — Anton Wilson of Anton/Bauer, Inc. (Chairman) with Art Kramer of Lowel-Light Manufacturing; Mike Sheppard, Belden Communications; and Jeff Whol, Camera Mart. Practical aspects of filmmaking will be discussed. Cameras, lighting and support equipment for demonstrations will be provided by PMPEA member companies. Further details including the date are available from PMPEA, University Tower, Suite 809, 6440 N. Expwy., Dallas, TX 75206.

The Robert Flaherty Film Seminar will be held 26 August–2 September at Pine Manor Junior College, Chestnut Hill, Mass. Program Director is Jay Ruby. The seminar is named for Robert J. Flaherty, a pioneer among those filmmakers who use the camera to reveal the human condition. It examines films made in the spirit of exploration which characterized Flaherty's work. The seminar is aimed at filmmakers but is also open to critics, teachers, film librarians and other professionals involved in film. Further information is available from Dr. Jay Ruby, Anthropology Department, Temple University, Philadelphia, PA 19122.

The 2nd World Film Festival and International Film Market will be held 25 August – 3 September in Montreal. Some 120 films will be presented at the Film Market. A film competition is part of the Festival, with several prizes to be awarded. According to the announcement, on a cultural level, three great cultures come together in Montreal — French, English and American; and, on a commercial level, the International Film Market can be of great help to the motion-picture industry. Further information is available from The Secretariat, World Film Festival, 1455 Oest Boul. de Maisonneuve, Montreal, Que., Canada H3G 1M8.

Travel arrangements for the 13th International Congress on High-Speed Photography and Photonics to be held 20–25 August in Tokyo have been announced by Lincoln Endelman, SMPTE Vice-President for Photoinstrumentation Affairs. The arrangements include air travel to Japan via Pan American or Northwest Orient

Airlines. The departure date from San Francisco is 18 August with a return on 3 September. The affinity air fare for those who qualify is \$544 round trip from San Francisco to Tokyo and return. Add-on fares from other cities in the United States and Canada are from about \$156 (Chicago) to \$356 (Miami). The affinity fare is available to persons who have been members of a specified organization (SMPTE, SPIE, SPSE) for six months or more and travel in groups of at least 70 persons. Members of a family can be included in the group. For those who do not qualify as part of the affinity group, the Group Inclusive Tour (GIT) is \$768 from San Francisco to Tokyo and return with add-on fares from \$209 (Chicago) to \$317 (Boston).

Land tours and hotel arrangements are being made which cover a 14-day stay in Japan. The tours will include Tokyo, Nikko, Kyoto and other places. A stop-over is planned in Hawaii on the return trip for those interested. Further information is available from Lincoln L. Endelman, 1484 Pine Grove Way, San Jose, CA 95129

Calendar

9–12 April 1978
National Assn. of Broadcasters Annual Convention, Las Vegas. NAB Info from 1771 N St., N.W., Washington, DC 20036.

14–16 April 1978
Toronto Super 8 Film Festival, Toronto. Info from Toronto Super 8 Film Festival, Box 7109, Postal Station A, Toronto, Ont., Can. M5W 1X8.

16–18 April 1978
Inter-Society Color Council 47th Annual Meeting, Loew's L'Enfant Plaza Hotel, Washington, D.C. Info from Dr. Fred W. Billmeyer, Jr., Dept. of Chemistry, Rensselaer Polytechnic Institute, Troy, NY 12181.

18–20 April 1978
Information Display International Symposium, San Francisco. Info from Society for Information Display, 654 N. Sepulveda Blvd., Los Angeles, CA 90049. (See *Journal*, p. 852, Nov. 1977.)

20–26 April 1978
12th International Symposium on Remote Sensing of Environment, Manila, Philippines. Info from Center for Remote Sensing Information and Analysis, P.O. Box 618, Ann Arbor, MI 48107. (See *Journal*, p. 852, Nov. 1977.)

22 April 1978
SMPTE Chicago Section 3rd Annual Tutorial Seminar, Ramada-O'Hare Inn, 6600 Mannheim Rd., Rosemont, Ill. Info from Byron L. Friend, Telecine Film Studios, 654 Busse Hwy., Park Ridge, IL 60068; or Edward Blasko, Eastman Kodak Co., 1901 W. 22 St., Oak Brook, IL 60521. (See *Journal*, p. 104, Feb. 1978.)

27 April 1978
U.S. Industrial Film Festival, Bellwood, Ill. Info from Filmfest, 1008 Bellwood Ave., Bellwood, IL 60104.

30 April–3 May 1978
National Cable TV Assn., Convention, New Orleans. Info from National Cable TV Assn., 918 16th St., N.W., Washington, DC 20006.

30 April–3 May 1978
Theater Equipment Assn. Conference, Myrtle Beach Hilton Hotel, Myrtle Beach, South Carolina. Info from Theater Equip. Assn. Headquarters, 1600 Broadway, Suite 605, New York, NY 10019.

30 April–5 May 1978
SPSE 31st Annual Conference, Sheraton Park Hotel, Washington, D.C. Info from Soc. Photographic Scientists and Engineers, 1411 K St., N.W., Washington, DC 20005.

9–11 May 1978
Videoshow, Los Angeles Convention Center. Info from Ellen Parker, *Educational & Industrial Television Magazine*, P.O. Box 565, Ridgefield, CT 06877.

20–25 August 1978
13th International Congress on High-Speed Photography and Photonics, Tokyo, Japan. Info from The Organizing Committee, 13th International Congress on High Speed Photography and Photonics, c/o Japaff Society of Precision Engineering, Ceramics Building, 2-22-17 Hyakumin-cho, Shinjuku-ku, Tokyo 160, Japan. (See *Journal*, p. 231, Apr. 1977; also above.)

25–29 September 1978
UNIATEC 13th Congress, Paris. Info from UNIATEC Secretariat General 92, Champs Elysées, Paris VIII, France.

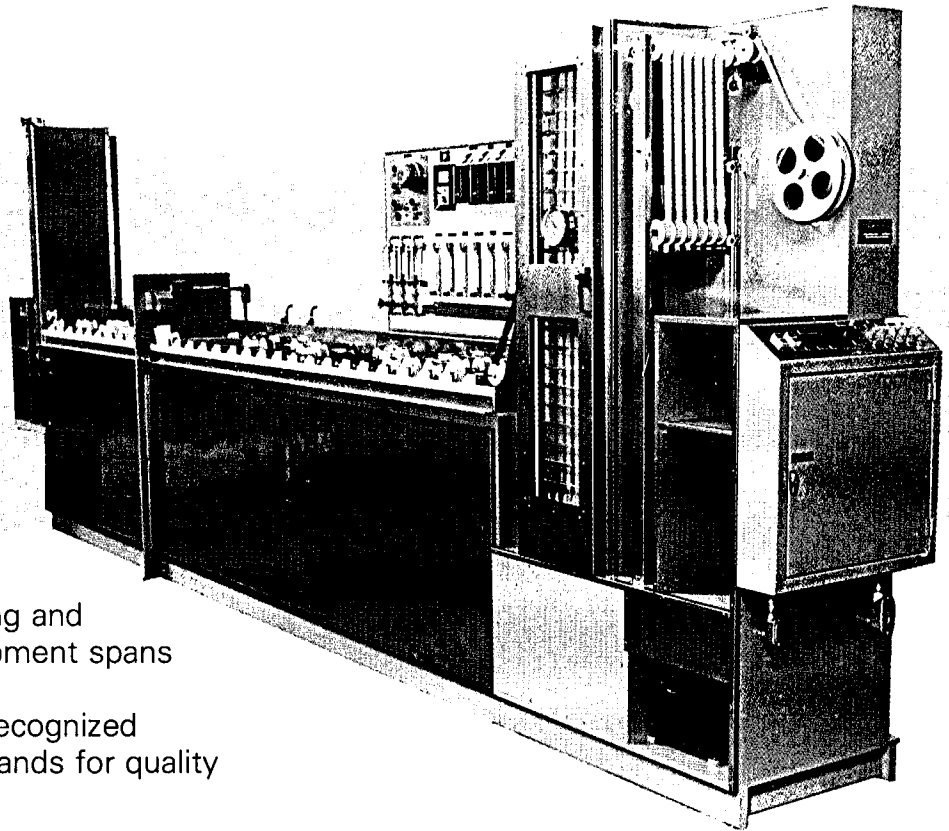
25–29 September 1978
International Broadcasting Convention. Wembley Conference Centre, North West London. Info from The Secretariat, IEE, Savoy Pl., London, England WC2R OB1. (See *Journal*, p. 898, Nov. 1976; also p. 962, Dec. 1977.)

15–21 September 1978
Photokina, Cologne, Germany. Info from German-American Chamber of Commerce, 666 Fifth Ave., New York, NY 10019. (See p. 54, Jan. 1978.)

14–17 November, 1978
SPSE 17th Annual Fall Symposium, Info from Robert H. Wood, Society of Photographic Scientists and Engineers, 1411 K St., N.W., Washington, DC 20005.

2–6 July 1979
Film 79, Royal Lancaster Hotel, London, Info from Bill Pay, Conference Coordinator, BKSTS, 110-112 Victoria House, Vernon Pl., London WC1B 4DJ, England.

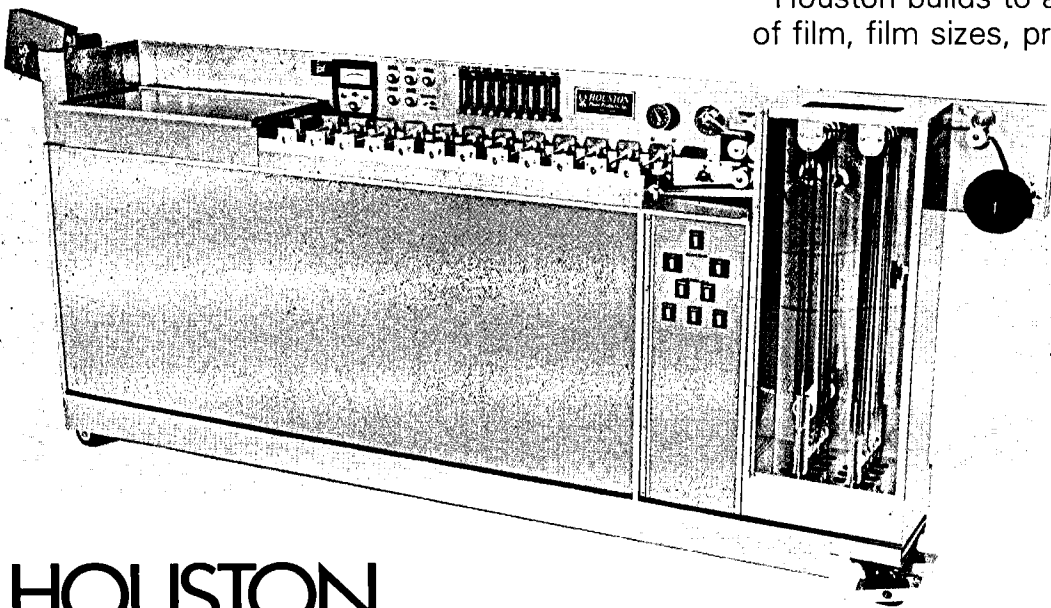
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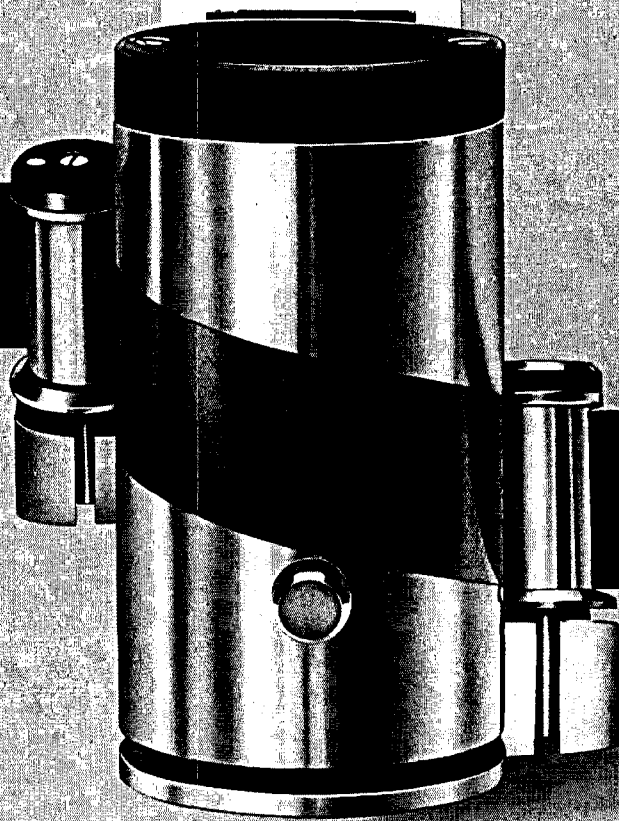
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1"-VTR-Report '78

The BCN-Format is the basis of the SMPTE-1"-Type B-Standard. Today more than 350 BCN systems are in operation throughout the world.



BCN scanner (life size), equally suitable for reels and cassettes

Bosch Fernseh decided in favour of the BCN short track segmented field technique from the alternative 1" solutions (segmented field with an 80 mm track and non-segmented field with a 450 mm track) for the following important reasons:

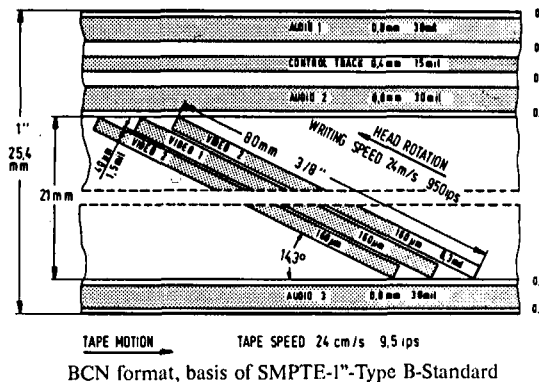
- Additional tracking correction system is not necessary.
- Omega wrap angle of 190° enables multigeneration copies with minimal chroma noise.
- Overlapping 2-head technique enables uninterrupted recording of the video signal encompassing also the entire vertical blanking period.
- No additional head required to record vertical blanking period.
- Superior luminance signal to noise ratio because time base correctors and their inherent analogue to digital, and digital to analogue conversions are not necessary.
- Video track tilt angle of $14,3^\circ$ ensures insensitivity to longitudinal dropouts.
- The track and scanner arrangement is suitable for reel and cassette applications.

The BCN-Format has three audio tracks

Apart from the video and control tracks there are three audio tracks of equal quality. It is therefore possible to record full stereo sound or multilingual commentary. Track 3 can also be used to record a time code, using either the built in time code generator or an external one.

The BCN Editing Systems solve every problem

- Integrated insert/assemble operation
- Automatic electronic editing using the EES 9 with two BCN 40/50 machines
- An automatic editing system EPS 7000 for up to 5 BCN units
- A freely programmable, computer controlled editing system such as the ESC 40 K - offering an enormous range of applications.
- Editing point definition using the most modern digital techniques: Unlimited "still" picture reproduction without any danger of damaging the valuable master tape; jogging and slow motion are also possible as well as special digital production effects such as "Quad Split".



Identical tape transport for all TV Standards

The segmented field technique makes possible the adaption of the number of segments per field from 6 (625/50) to 5 (525/60). The conversion of any BCN machine to any standard NTSC, PAL, PAL-M or SECAM is therefore purely an electronic and not a mechanical matter. The tape transport and scanner remain completely unchanged.

A guaranteed future for the BCN format with respect to digital recordings

The development of the BCN format was carried out bearing in mind the requirements of a future generation of video recording techniques. As soon as tape, head and component technology provide a cost effective solution for digital recording, BCN machines will find additional applications without any changes to the existing deck.

Cassettes or reels for portable, mobile, or stationary operation

The BCN format concept covers all operational applications:

The BCN 5 cassette version is intended for the production of rapid, studio quality, 20 minute programme contributions and of course, for all ENG activities. The portable, battery operated BCN 20 having 60 minute reel time is ideally suitable for all mobile applications whereas the conventional BCN 40/50 machines combine mobile outside broadcast operation with stationary applications.

BCN 40/50 for studio OB van applications

The BCN system is based upon a modular building brick concept. Modules with related functions are arranged in portable units.

The standard version of this universal equipment is the BCN 40/50, the typical VTR for studio stationary use.

The same version, however, is also, highly suited to mobile OB van applications.

For monitoring purpose a "monitoring bridge" consisting of a black and white or colour picture monitor, waveform monitor and vector scope can be added to the deck, electronics and processor units.

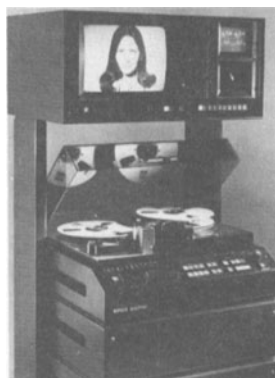
Outside Broadcast productions with studio quality under all conditions: BCN 20

This portable or mains operated BCN version with 60 minute reel time is intended for high quality outside broadcast productions from a car, helicopter, ship, or motorcycle.

The additional electronic unit BCWQ 9 together with the standard processor unit enable high quality BCN 20 reproduction suitable for transmission.



The BCN has made this new compact OB van concept possible



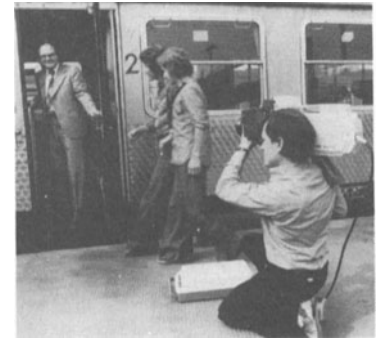
BCN 50 as studio machine with "monitoring bridge" and integrated automatic editing EES9

The first studio quality cassette: BCN 5

The BCN-cassette fulfills the demand for ENG in studio quality. Recording and reproduction are ensured under all conditions between -10°C and $+45^{\circ}\text{C}$.

The 20 minute cassette enables rapid cassette change because it can be removed in any winding state and a reel subsequently removed and replayed directly on any BCN 20/40/50 without the need for adaptors.

A multi cassette automatic using the same 20 minute cassettes is in preparation and intended for automatic studio applications.



Reporter of the future with BCN-cassette

Experience gained from practical use



On the move recordings are now possible under the most extreme conditions

More than 70 TV authorities and production houses have decided in favour of the BCN system because of its outstanding economy and complete equipment range, covering both reels and cassettes. Stationary and portable BCN machines are now in operation all over the world.

The BCN format is the basis of the SMPTE-1"-Type B Standard

All BCN machines delivered so far are in accordance with this standard and need no alterations. In addition, the BCN format is being processed at the IEC and published as DIN Draft 45 483. The EBU regards the BCN-standard as already defined by the SMPTE; the BCN is in use in 16 EBU countries.



More than 350 BCN-systems in operation in 33 countries

BCN. A format that has proved itself

BOSCH

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