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In this column, we provide interesting historical briefs from the journal articles of days past. The purpose of this column is primarily entertainment, but we hope it will also stimulate your thinking and reflection on the Society's history, how far we have come in the industry, and (sometimes) how some things never change. This column is sponsored by Television Broadcast Technology, Inc., since March 2001: <http://ieeexplore.ieee.org/document/7257346>

25 Years Ago in the Journal

The October 1997 *Journal* published in “Broadcasting and Processing of Program Guides for Digital TV” by Stephan Hartwig, Thomas Rautenberg, and Tilman Bollmann: “From the consumer’s point of view, the transition from analog to digital TV comes in two flavors: quantity and quality. First, the number of services increases significantly, and second, there are new service types to come. Paper TV guides with their linear and nonhierarchical presentation of program information are unlikely to be used any longer in service and program event selection; instead, electronic program guides (EPGs) will provide an interactive user interface offering comfortable and fast program browsing functions. Unlike in the computer world, the desired schedule information will virtually be served from a local random access database, and it will mostly be fetched from the current transmission. Caching techniques will be applied; however, they are restricted due to the lack of sufficient local storage media. This makes the development of transmission, processing, and buffering

strategies a difficult task, bearing in mind that users expect fast and random access, whereas the service provider wants to keep the transmission bandwidth allocated for this type of data as small as possible.” For the full article, see <https://ieeexplore.ieee.org/document/7244018>

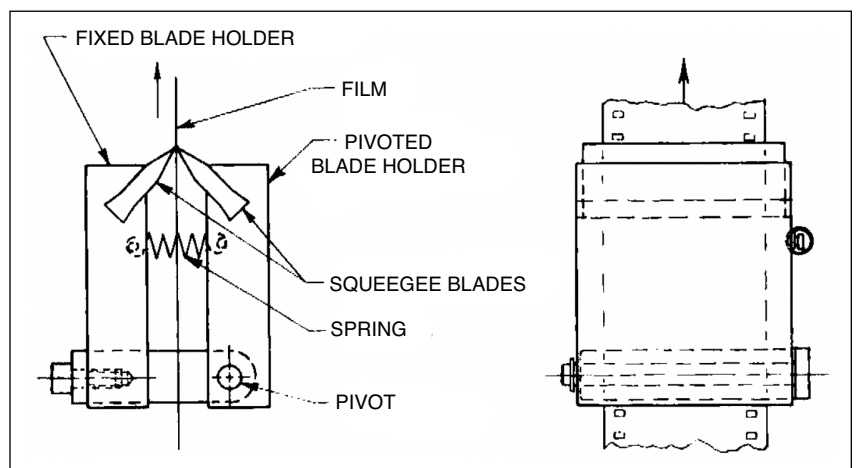
50 Years Ago in the Journal

The October 1972 *Journal* published in “Spring-Loaded Wiper-Blade Squeegees” by John C. Boutet: “Wiper-blade squeegees have been used for water and solution removal from film and paper for a number of years. Until the recent development of polyurethane blades, however, rapid wear

and deterioration of the squeegees in many solutions was a problem. The good mechanical and chemical properties of polyurethane plus the introduction of harder film emulsions have led to the wide use of polyurethane blade squeegees... The squeegee blades wear with use and, when flexed, tend to take a set with time. This results in a change in the squeegee pressure upon the film in a system with fixed opposed blades. By spring-loading the blades upon the film, the pressure applied on the film by the squeegee blade edge is no longer dependent upon the wear of the squeegee or the creep of the squeegee material... **Figure 1** shows the first spring-loaded squeegee designed in March 1969 for use on soundtrack processing equipment.” For the full article, see <https://ieeexplore.ieee.org/document/7233232>

75 Years Ago in the Journal

The October 1947 *Journal* published in “Motion Picture Research Council:” “The newly incorporated



Original spring-squeegee design (Fig. 1, *JSMPT*, Oct. 1972, p. 793).

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Motion Picture Research Council, Inc., succeeds the former Research Council of the Academy of Motion Picture Arts and Sciences... The Council will expand its activities in all phases of motion picture development work, including: 1) designing and supervising the construction of special equipment and processes for motion picture production; 2) applying new research developments to the industry and co-operating with universities and industrial research groups; and 3) standardizing equipment and processes within the industry to permit better equipment to be manufactured more efficiently. The Motion Picture Research Council will be able to provide manufacturers with specifications on equipment, which represent the desires of

all the studios and will welcome and act as a clearing house on all new ideas and information pertaining to motion picture production...members include...20th Century-Fox...RKO-Radio...Republic...Paramount...Universal-International...Warner Bros...Columbia... Metro-Goldwyn-Mayer.” For the full article, see <https://ieeexplore.ieee.org/document/7251685>

100 Years Ago in the Journal

The October 1922 *Journal* published in “A new Sensitometer for the Determination of Exposure in Positive Printing” by L. A. Jones and J. I. Crabtree: “One of the difficult steps in the production of satisfactory positive quality is the determination of the proper exposure to give in printing the positive

material. At the present time in the majority of film finishing laboratories, this determination is made by experienced ‘timers.’ The various negatives to be printed are examined visually by the timer and from his experience acquired by long practice in judging the density values in the negative and from his knowledge of the conditions existing in the printing machines, a judgment of the correct printing exposure is made. A timer who has had long training becomes an expert in judging the proper exposure for a given negative. However, frequent errors are made, and reprinting in many cases is found necessary.” For the full article, see <https://ieeexplore.ieee.org/document/7230067>

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