64-Page Press Now Prints Herala



TRUCKLOAD OF NEWSPRINT from Canadian mills arrives at The HERALD plant, 1619 Gramercy after being picked up at docks in San Pedro. The rolls vary in weight from 550 to 1550 pounds.



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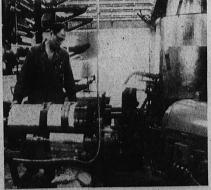
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é 0 FORK LIFT stores newsprint (in some cases three up) in press room. Pictures below and to the right show sequence of printing process from rolls into complete newspapers.



MATRIX IMPRESSION of type is made on roller press where pressures of 2,000 pounds per square inch are exerted in bringing out full detail of smallest type. Gene Nourse, foreman, is operating the roller.



NEW STEREOTYPE metal furnace in background which casts semi-cylindrical plates for use on the press. Shown in foreground is Sta-Hi mat former.



NEW CURVED PLATE ROUTER. Operator cuts high sp off plates to improve printing characteristics of cur plate. This is the final finishing process before plates placed on the press.

YOUR SECOND FRONT PAGE Torrance Herald EDITORIALS * * * FEATURES * * * WANT ADS TORRANCE, CALIFORNIA, THURSDAY, SEPTEMBER 19, 1957

New Installation Sets Paper

For Future Area Development

Pictured on this page is the HERALD'S newly installed 64-page rotary press and other equipment used in the final processes of producing your hometown newspaper. Already in use, the huge Goss press will keep. The HERALD abreast of the Torrance area development for more years to some

Already in use, the huge Goss press will keel? The HERALD'S never the Portance area development for many years to come. Similar to most other newspaper Rotary presses, The HERALD'S new equipment has been modified to provide more versatife color facilities. For instance, it can pro-duce a 16-page comic section in full color and up to 64 pages in black. Its two folders, finish fold and count the papers ready for delivery to The HERALD'S small army of 115 carrier boys who cover 129 routes.

The press is manned under contract finish fold and count the papers ready for carrier boys who cover 129 routes. The press is manned under contract between The HERALD and the San Pedso-Wil mington Printing Press men and Assistants' Union No. 272 with Bob Davies. veteran rolary pressmain, as superinten-dent. Installation of the press marks another milestone in the progress of The HERALD which was established 43 years ago. The present publisher acquired the newspaper in 1954. At that time the paper was pro-duced on two 16-page straightline rolary presses that had been twinned to make possible production of a maximum of 32 pages in black only. At the time of its installation in 1948 by the late Grover Whyte, the equipment was considered ade-quate for many years to come. An Old Process. Although modern printing is a far ery from that used by Gutenberg in the middle of the Fifteenth century, it still basically is the process of pressing or squeezing paper or similar material against type that has been inked. The three principal methods of print-ing afe: 11 letterpress-relief or raised printing: (2) gravure or intaglio-below-the-surface printing as done by the Automatie Printing done hore and paper or similar of the grapely a chemical process. Offset printing as done by the Automatie Printing Co, in Torrance is a modification of Libography. <u>Letterpress.</u> The term 'press' comes from the printies by letterpress. The term 'press' comes from the printies by letterpress. The term 'press' comes from the printies on the process of the late century.

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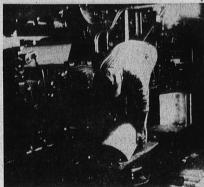
primite sciew type with easily printers which were used well into the nineteenth cen-tury. Power driven presses were invented in the early years of the last century, but major improvements lagged until electric power and invention of the stereo-type process. Some persons know about the cylinder press only, which is widely used for print-printing. Principal parts of the cylinder press are a revolving cylinder and recipro-forms are placed, moves back and forth as the cylinder is 'on impression' type. As a rule, cylinder presses print only one side of the sheet at a time. Larger newspapers are printed on forthy presses. The principal parts is the same but the operation is done much faster and much more extensively. Rotary presses. The principal of printing is the same but the operation is done much faster and much more extensively. Rotary presses. The principal of printing is the same but the operation is done much faster and much more extensively. Rotary presses. The principal of printing is the same but the operation is done much faster and much more extensively. Bear leaded a four-story press. Each of thing coulde prints on one side of the paper for web) and the other printing couple. Different is a printing couple. One print-ing couble prints on one side of the paper for a sories of rollers which transfer ink from the fountain to the plate cylinder and a fountain containing viscous isk the plate cylinder and impression cylinder and a fountain containing viscous isk the plate cylinder and impression cylinder interestion cylinders. Blankts is a remade of cork, rubber or a very durable fabric impression cylinders. Blankts is a remade of cork, rubber or a very durable fabric impression cylinders. Blankts is a remade of cork, rubber or a very durable fabric impression cylinders. Blankts is a remade of cork, rubber or a very durable fabric impression cylinders. Blankts is a remade of cork, rubber or a very durable fabric impression cylinders. Blankts is a remade of cork, rubber or a very durable fabric impressi

the stereotype plate is pressed into the paper. Ink is placed in a trough called a "fountain," in which a roller revolves. A Knife blade extending across the width of the fountain roller, allowing only a thin film to remain. The flow of ink is regulated by turning a series of screws, called keys, which press on the knife blade. A 1200 g allon tank feeds The HERALD'S press. Ink stored in the tank is pumped by electric motor from the tank into lines serving all fountains on the press. Paper in Rolls

Paper in Rolls Paper for rotary presses (known as newsprint) is wound at the mills in a continuous strip into rolls of varied sizes.

ery to The HERALD'S small army of 115 For The HERALD, rolls are in widths of dy an and by inches in dy and the second sec

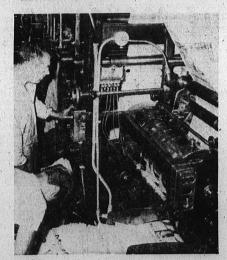
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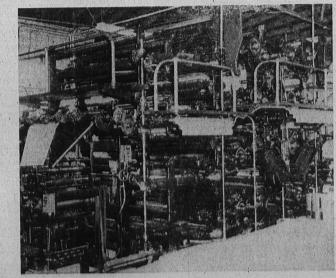
HEAVY DUTY WORK for the pressmen is the loading and locking-in of stereotype plates to the printing cylinders.



PUBLISHER KING WILLIAMS presses the starting button for the first run. With him are Jerome Feldman, president of Newspaper Equipment Services, erectors of the press, and Pressman Bob Davies.



PRESSMAN INSPECTS final product spilling from folder at speeds most persons find too fast to count.



READY FOR THE FUTURE.... The HERALD'S new 64-page, multi-color press shown here is ready to deliver 18,000 collect copies of a completed edition of The HERALD each hour it is operating. The new press installation in The HERALD Building at 1619 Gramercy Ave. Is indicative of this newspaper's faith in the future of the area, and gives The HERALD one of the best equipped community newspaper plants in the West.