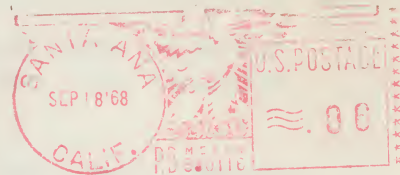


BOLT BERANEK AND NEWMAN INC
DATA EQUIPMENT DIVISION

2126 S. LYON STREET, SANTA ANA, CALIFORNIA 92705



T. Nelsons, Consl.
Box 1546
Poughkeepsie, N.Y. 12603



The new BBN **TyProjector*** allows you to display a teletypewriter printout for group viewing *as it is actually being typed*.

Mounts directly on a Model 33 Teletype** with no *mechanical modification* — using *normal teletypewriter paper*.



Developed for demonstration and classroom instruction in the use of *time-shared computer terminals*, the BBN **TyProjector** is equally useful for:

- Central viewing of multiple teleprinter outputs in NEWSROOMS
- Group viewing of AVIATION WEATHER REPORTS
- Rapid examination of incoming messages in industrial and government COMMUNICATIONS CENTERS

The **TyProjector** produces a bright, clear image on any projection screen at the most desirable location: directly in front of the operator and elevated at an easily adjustable angle of $8^\circ \pm 5^\circ$ above the level of the **TyProjector**. (A version for rear-projection on a translucent screen is also available.)

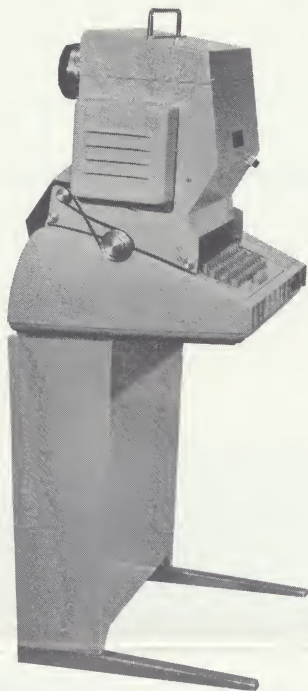
Features Include:

- Four Tungsten-Halogen lamps for *uniform illumination* and optimum heat dissipation
- Built-in *quiet* cooling system
- A *set up window* above the keyboard allows the operator to view directly the material being typed without the necessity of darkening the room.
- Low-level *illumination of the keyboard* of the teletypewriter
- Light-weight, *metal construction* with storage-case cover for easy portability.
- 90 day guarantee (exclusive of lamps)

PRICE: Mark III Only

\$745.00

For detailed specifications and ordering instructions see other side.



TYPROJECTOR SPECIFICATIONS

TELETYPEWRITER: Model 33 Teletype (**TyProjector** designs for other types of fixed-carriage teletypewriters will be quoted upon request.)

PROJECTED IMAGE: 20 lines of typed copy, consisting of the line being typed and the 19 preceding lines.

IMAGE ELEVATION: Adjustable $8^{\circ} \pm 5^{\circ}$ above the **TyProjector**.

ILLUMINATION: Delivered with 4, 250 Watt, 500 Hr, Tungsten-Halogen high efficiency lamps. 6000 lumens per lamp. Longer life, or greater illumination bulbs can be substituted to meet individual needs.

COOLING: 150 CFM airflow with thermostatic control.

WEIGHT: Mark III 30 lbs., Mark IIIA 35 lbs.

POWER: 110-120V, 60 Hz, 1400 Watts

*PRICES Mark III, Mark III R **\$745.00**
 Mark IIIA: **895.00**

Prices FOB Santa Ana, Calif.
 Delivery 90 days or less.



RANGE OF FOCUS, IMAGE SIZE AND BRIGHTNESS

Model	Projection Distance, feet	Length of 80-character line, inches	Screen Illumination lumens per sq. meter (lux)
Mark III *	6	27	97
(Standard 15.5", f 4.5 lens)	7	32	69
	8	37	52
	9	42	40
	10	48	31
Mark IIIA *	11	50	51
(high-speed 18" f.3.5)	12	55	42
	14	64	31
	16	73	24
	18	83	18

PURCHASING DATA

Prices and specifications subject to change without notice.

Available Models; Mark III, Mark IIIA .

An "R" following the model number designates rear-projection version for projection from the rear onto translucent screen for front viewing.

Purchase orders should be made out to Bolt Beranek and Newman Inc., Data Equipment Division.

All prices are F.O.B. Santa Ana, California 92705. Where F.O.B. destination is required, transportation cost will be quoted as a separate item at existing rates.

Payment terms, Net 30 days.

TyProjectors for other fixed-carriage teletypewriters quoted on request.

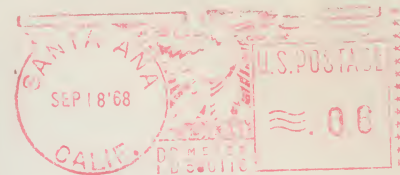


BOLT BERANEK AND NEWMAN INC
 DATA EQUIPMENT DIVISION

2126 South Lyon Street ■ Santa Ana, California 92705 ■ Phone: (714) 546-5300

BOLT BERANEK AND NEWMAN INC
DATA EQUIPMENT DIVISION

2126 S. LYON STREET, SANTA ANA, CALIFORNIA 92705



T. Nelsons, Consl.
Box 1546
Poughkeepsie, N.Y. 12603



BOLT BERANEK AND NEWMAN INC

DATA EQUIPMENT DIVISION

2126 South Lyon Street • Santa Ana, California 92705

Phone (714) 546-5300

In response to the announcement regarding
the TyProjector:

Please enter my P. O. No. _____
for _____ ea. TyProjector
(QUANTITY)

Model _____

Please call _____
(PHONE)

and tell me more about it.

Please remove my name from your mail-
ing list

NAME: _____

TITLE: _____

ORGANIZATION: _____

DEPARTMENT: _____

MAIL STOP: _____

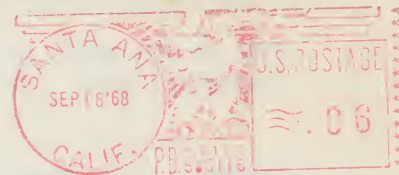
ADDRESS: _____

CITY, STATE, ZIP: _____

Special application areas of interest:

BOLT BERANEK AND NEWMAN INC
DATA EQUIPMENT DIVISION

2126 S. LYON STREET, SANTA ANA, CALIFORNIA 92705



A.T. Nelson
Sys Consultant
Box 1546
Poughkeepsie, NY 12603



The new BBN **TyProjector*** allows you to display a teletypewriter printout for group viewing *as it is actually being typed*.

Mounts directly on a Model 33 Teletype** with no *mechanical modification* — using *normal teletypewriter paper*.



Developed for demonstration and classroom instruction in the use of *time-shared computer terminals*, the BBN **TyProjector** is equally useful for:

- Central viewing of multiple teleprinter outputs in NEWSROOMS
- Group viewing of AVIATION WEATHER REPORTS
- Rapid examination of incoming messages in industrial and government COMMUNICATIONS CENTERS

The **TyProjector** produces a bright, clear image on any projection screen at the most desirable location: directly in front of the operator and elevated at an easily adjustable angle of $8^{\circ} \pm 5^{\circ}$ above the level of the **TyProjector**. (A version for rear-projection on a translucent screen is also available.)

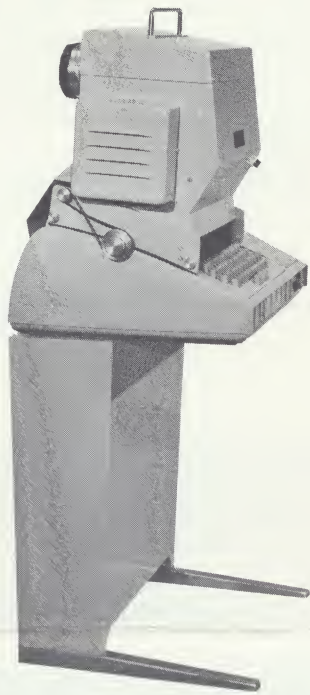
Features Include:

- Four Tungsten-Halogen lamps for *uniform illumination* and optimum heat dissipation
- Built-in *quiet* cooling system
- A *set up window* above the keyboard allows the operator to view directly the material being typed without the necessity of darkening the room.
- Low-level *illumination of the keyboard* of the teletypewriter
- Light-weight, *metal construction* with storage-case cover for easy portability.
- 90 day guarantee (exclusive of lamps)

PRICE: Mark III Only

\$745.00

For detailed specifications and ordering instructions see other side.



TYPROJECTOR SPECIFICATIONS

TELETYPEWRITER: Model 33 Teletype (**TyProjector** designs for other types of fixed-carriage teletypewriters will be quoted upon request.)

PROJECTED IMAGE: 20 lines of typed copy, consisting of the line being typed and the 19 preceding lines.

IMAGE ELEVATION: Adjustable $8^{\circ} \pm 5^{\circ}$ above the **TyProjector**.

ILLUMINATION: Delivered with 4, 250 Watt, 500 Hr, Tungsten-Halogen high efficiency lamps. 6000 lumens per lamp. Longer life, or greater illumination bulbs can be substituted to meet individual needs.

COOLING: 150 CFM airflow with thermostatic control.

WEIGHT: Mark III 30 lbs., Mark IIIA 35 lbs.

POWER: 110-120V, 60 Hz, 1400 Watts

*PRICES Mark III, Mark IIIR **\$745.00**
Mark IIIA: **895.00**

Prices FOB Santa Ana, Calif.
Delivery 90 days or less.



RANGE OF FOCUS, IMAGE SIZE AND BRIGHTNESS

Model	Projection Distance, feet	Length of 80-character line, inches	Screen Illumination lumens per sq. meter (lux)
Mark III *	6	27	97
	7	32	69
	8	37	52
	9	42	40
	10	48	31
Mark IIIA *	11	50	51
	12	55	42
	14	64	31
	16	73	24
	18	83	18

PURCHASING DATA

Prices and specifications subject to change without notice.

Available Models; Mark III, Mark IIIA .

An "R" following the model number designates rear-projection version for projection from the rear onto translucent screen for front viewing.

Purchase orders should be made out to Bolt Beranek and Newman Inc., Data Equipment Division.

All prices are F.O.B. Santa Ana, California 92705. Where F.O.B. destination is required, transportation cost will be quoted as a separate item at existing rates.

Payment terms, Net 30 days.

TyProjectors for other fixed-carriage teletypewriters quoted on request.



BOLT BERANEK AND NEWMAN INC
DATA EQUIPMENT DIVISION

2126 South Lyon Street ■ Santa Ana, California 92705 ■ Phone: (714) 546-5300



BOLT BERANEK AND NEWMAN INC

DATA EQUIPMENT DIVISION

2126 South Lyon Street • Santa Ana, California 92705

Phone (714) 546-5300

In response to the announcement regarding
the TyProjector:

Please enter my P. O. No. _____
for _____ ea. TyProjector
(QUANTITY)

Model _____

Please call _____
(PHONE)
and tell me more about it.

Please remove my name from your mail-
ing list

NAME: _____

TITLE: _____

ORGANIZATION: _____

DEPARTMENT: _____

MAIL STOP: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Special application areas of interest:
