



PEDIATRIC VISION

A Step in Preventive Vision Care — the Screening of Young Children

G. Isabelle*

Comment by G.M. Belanger, CJO Editor

It has often been said that the hallmark of a true health care profession is the effort put forth to eliminate the need for its own services.

The objective can be reached in only one way — by becoming involved in prevention. For optometry, this implies the prevention of visual problems whether applicable to school performance, industrial production or general well-being in daily life.

The N.S.O.A. recipe is a good example of optometric involvement in preventive care and public health care and education of the public in vision care.

Introduction

The CAT Battery originated in Bridgewater, N.S. It was a cooperative pilot project involving the Director of Special Services for the local School District and an optometrist. Working together, they gleaned from the research literature the most educationally relevant vision tests that seemed both practical and reliable for a Special Education and Remedial Reading Vision Screening Program. It is recognized that, although it is not a panacea for all reading deficiencies, it will prove useful as a more comprehensive inventory of visual skills than any presently being utilized by most school systems. It is not a diagnostic tool. No other functions should be inferred by anyone.

In order to publicize the CAT Battery, the following memo was sent from the N.S.O.A. offices (c/o Mr. Jim Lotz, Executive Director, Box 3393 (s) Halifax, N.S. B3J 3J1. Tel. (902) 423-3263) to all School District Superintendents, Directors of Special Services, Teachers' Colleges, Shelburne and Truro Schools, Schools for the Deaf, N.S. Educational Consultants, N.S. Psychologists, the Association for Children with Learning Disabilities, ATEC:

Re: Purchase of the C.A.T. Battery Vision Screening Kit and Program

- C.A.T. means Coordination Acuity Tests
- The C.A.T. has 9 tests: 5 Acuity and 4 Coordination

- Total cost: \$200.00 Canadian; (in addition \$40.00 worth of 1.50 D glasses were donated by optical companies. The two pair that are required per kit are therefore included free. The initial pledges total \$2,500.00 and will service 62 kits, should this be the demand.)
- In addition there will be a number of Home-made Items; patch, occluder, 3 apertures, 2 fixation targets and a 10 foot symbol chart will be produced and included for uniformity of content.

Kit: Economics require the following items to be purchased from Bernell Corp., 750 Lincoln Way East, Box 4637 South Bend Indiana 46634

1.	20 foot eye charts, number and letter, \$4.00 each	\$8.00
2.	14 inch AMA eye chart; letter	4.00
3.	14 inch AOCO Child's Recognition Near Point Test	2.00
4.	Stereo Reindeer; 14 inch stereoacuity measure	40.00
5.	Selected plates from the 38 plate Ishihara Color Blindness Test	20.00
6.	Bernell Maddox Rod Phoria Measure; 10 prism dioptres	40.00
7.	Penlite #BS (2 AAA Duracell Batteries not included)	2.50
8.	Bernell Screening Blackbird Goggles; 2/kit	0.50
	Subtotal in American Dollars	117.00
	Estimated shipping, handling and broker's fees (Customs)	10.00
	Exchange rate quoted March 12/84 — 27.75% (\$127 Am.\$)	35.24
	Total acquisition Cost in Canadian Dollar Equivalent	CAN\$ 162.24
	15 minute Introductory Videotape, Beta Format, Teachers Ctr. Tape produced in Bridgewater, N.S.	CAN\$ 20.00
	Grand total	CAN\$ 182.24

Kit including tape is **\$200.00** to allow for contingency ie;

Fluctuating Exchange Rate.

Other components include:

1. Manual; Forms, procedures — test by test, glossary, appendix, bibliography. FREE.

* Optometrist, Bridgewater, Nova Scotia

2. 60 watt reading lamp; **purchasers will acquire their own locally.**
3. 2 pair of +1.50 dioptre hyperopia screening glasses. FREE (Donated)
4. Home made items as mentioned above. FREE.
5. Provincial Inservice Training: Time will be donated by NSOA selected members (as has been done in Lunenburg and Kings Counties in 1982-1984).
6. Long term quality control, certifications and research methodologies will be arranged and administered by a future plan. Discussion and agreement will have to be determined when feasible.

The agreement between the N.S.O.A. and Bernell is such that advance payment of orders is required.
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6. Fitzgerald J.K.: The Silicone Lens That Works. *CL Forum* 6(6):43-40, 1981
7. Hales R.H.: Silicone Extended Wear Contact Lenses in Aphakic Patients; A Comparison With Intraocular Lenses Over Four Years of Continuous Use. *Contact and Intraocular Lens Medical Journal* 7(3):219-225, 1981
8. Hill, J.F., Anderson F.L., Johnson T.K., Rigel L.E., Seelye R.R.: Eighteen Month Clinical Experience With Extended Wear Silicone Contact Lenses on 400 Patients. *AJOPO* 60(7):578-581, 1983
9. Inns H.D.E.: Perma Contact Lenses. *Contacto* 26(1):27-33, 1982
10. Kaye A.B.: Aphakia: Extended Wear With Silicone Lenses. *International Contact Lens Clinic* 7(3):31-43, 1980
11. Mandell R.B.: Corneal Oxygen Need and Gas Permeable Contact Lenses. *JAOA* 53(3):211-214, 1982
12. Mandell R.B.: Contact Lens Practice. Ed. Charles C. Thomas Publisher, Springfield Illinois, 1981

A 45 to 90 day waiting period between order and delivery is the only drawback of this requirement.

The total price for a complete kit is \$200.00, and each school district can order subsequent kits for \$180.00 each (only one tape per district is required, not one per kit). Bernell also advises that a rebate, which varies with exchange rates and quantity ordered, may be possible.

For further information about the program, or to order the kit(s), members are invited to contact:

The Nova Scotia Optometrical Association

Mr. Jim Lotz, Executive Director

Box 3393 (s)

Halifax, Nova Scotia

B3J 3J1

(902) 423-3263

13. Mizutani Y, Goto J, Murakami M, Mizutani Y: Clinical Experience in Fitting 370 Patients With The Silicone Elastomer Contact Lens Hisilic II. *The CLAO Journal* 9(3):249-253, 1983
14. Morgan J.F.: Silsoft (Elastofilcon A) Silicone Elastomer Lenses for Extended Wear in Extended Wear Contact Lenses for Myopia and Aphakia edited by Jack Hartstein, The C.V. Mosby Company, St. Louis, 1982
15. Phillips L.J., Soltis G.G.: Intraocular Lenses; An Update. *JAOA* 54(8):697-700, 1983
16. Rogers G.L.: Extended Wear Silicone Contact Lenses in Children with Cataracts. *Ophthalmology* 87(9):867-870, 1980
17. Salz J.J., Schlanger J.L.: Complications of Aphakic Extended Wear Lenses Encountered During a Seven Year Period in 100 Eyes. *The CLAO Journal* 9(3):241-244, 1983
18. Sarver M.D., Sarver D.S., Sarver L.A.: Aphakic Patient Response to Extended Wear Contact Lenses. *JAOA* 54(3):249-254, 1983

"If you live in a country run by committee, be on the committee."

— Graham Summer —

*Have A
Happy Day!*

Professional Optical Company

**P.O. BOX 691, STATION B
WILLOWDALE, ONTARIO
CANADA M2K 2P9**



AM Ophthalmic Instruments Inc.

Mississauga, Ontario

In the 1984 Agenda and Roster, the address which appeared on our Ad for the Topcon Lensmeter and Automatic Refractometer was incorrect. The information should have read:

Collect Telephone Number for more Information:
(416) 673-2999

In Ontario, except Lakehead Region:
(800) 387-3441

Our complete address is:
1535 Meyerside Drive, Unit 18
Mississauga, Ontario
L5T 1G8