

ASSOCIATION OF PAEDIATRIC CHARTERED PHYSIOTHERAPISTS

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MAY 1982 - NEWSLETTER NO. 23

The Interface of Orthoptics and Physiotherapy.

Mrs.W. Harrison,  
Orthoptist,  
Child Development Centre,  
York.

Have you ever been concerned about the vision of a child you are treating and wondered whether assessment has been offered? Perhaps the ophthalmologist has seen the child, but the therapist, with opportunity for close ongoing observation of behaviour, may be the first to share with the mother the fact of awakening visual function which may be at variance with the original diagnostic statement e.g. central blindness. Reassessment would be clearly indicated.

When working with multiply handicapped children in particular, it is important for the whole team to be alive to the possibility of visual deficit and to work out together its functional effect on the child's response to all treatment inputs. Adult standard vision normally takes from 0 - 8 years of age to develop. If there is any congenital or acquired impairment during this maturing period, visual acuity i.e. how clearly we see, and binocular single vision, i.e. the use of two eyes together to form a single image, may be compromised. Other fields of development particularly gross motor, will obviously be affected. Motor delay in the blind, otherwise normal child is wellknown so additional handicaps will compound the situation. Where is the incentive to bring the hands together centrally if they cannot be seen? Why should a child crawl if there is nothing visually interesting to crawl to? Does the visually handicapped baby who appears hypotonic and retarded have an intrinsic motor problem or not?

There are a number of normal reflexes which develop between birth and about three months of age that give an indication of the progression of visual development. Awareness of these can help therapists to plan the treatment accordingly. It can be a great help to work in a multidisciplinary situation where members of the team can readily confer. A close working relationship between the physiotherapist and the orthoptist can be particularly useful in understanding the interaction between visual competence and normal and abnormal movement patterns and coordination.

The reactions expected from a baby by the time he is 3 - 4 months old are:-

1. Visual Attention. A baby learns to look at his mother's face and also to react to light for example when the curtains are drawn in the morning or when the light is switched on at night. Gradually interest develops in small objects, near the face e.g. hands, bottle, spoon. Careful observation will give an indication of the presence or absence of visual alertness for stimuli in the normal environment.
2. Following Ability. The first following is most probably after mother's face although at a distance of 8" to 10" from the face it is possible to follow a bright red pom pom from the earliest days, and later the bottle teat. Following is tested by using a pen torch and making a horizontal and then vertical arc of  $180^{\circ}$  at a distance of  $\frac{1}{3}$  metre. It is important to notice whether the eyes can follow beyond mid-line and whether there is any fixation flick at that point. At six months a baby should be able to see and follow an interesting toy at 3 metres.
3. Convergence. This will occur naturally by 3 - 4 months of age and involves following approaching objects. This is tested first with a pen torch and then with a small bright toy. It is also useful to see if the child can refix on the tester's face or the toy further away to show that the depth of focus can be readily altered.
4. Blink Responses to Threat. This is tested by suddenly introducing a hand in front of the baby's face but trying not to produce a draught of air.
5. Opto-Kinetic Reflex Response. By rotating a black and white striped hand held drum in front of the face both vertically and horizontally two systems can be tested. The saccadic following movements of the eyes can be stimulated, which allow the eyes to move quickly from side to side whilst keeping the head still, and the pursuit system, which should operate smoothly, can be observed. There is a long following phase with a short flick back phase. We show this response when we sit in a moving vehicle and automatically follow the succession of passing objects.

If anything prevents this development, the reflex responses may be absent. The opto-kinetic reflex cannot occur if brain damage prevents the transmission of visual stimuli from the eye to the occipital cortex. Absent responses in testing clearly indicate visual difficulty as does the absence of a blink to threat.

Other general things to look for are:-

1. Abnormal head posture.
  - (a) This could be caused by an eye muscle anomaly or paresis.
  - (b) A field defect.
  - (c) Nystagmus.

In all cases the eyes are placed in the position where the clearest vision is possible. Nystagmus has a variety of causes but is usually horizontal, has a slow and fast phase and is present perhaps more when looking in one direction rather than another. The vision never achieves 100% adult standard development but many people with nystagmus from childhood manage quite normally and don't experience any movement of objects they are looking at.

- (d) Squint.

Congenital squints do occur and any definite eye turning after three months of age should be referred for treatment. As with other therapies, the sooner orthoptic and ophthalmic treatment is initiated the better.

With handicapped children this treatment is just as essential. We are still learning how to treat visually handicapped and multiply handicapped children but believe that visual training is possible, even for those who initially appear to have no function at all. We have noticed marked improvement in visual function in 8 out of 12 multiply handicapped children registered blind in the last eight years. This merely shows how important it is to establish by repeated visual stimulation and ongoing observation, whether the appearance of blindness is real or whether the child had simply not reached the stage of visual responsiveness at the time of testing. If the truly blind child shows motor delay in the absence of other difficulties, how much longer it must take the physically and visually handicapped child to reach motor milestones when he is also trying to develop a spatial awareness of sound as a compensation.

The physiotherapist and orthoptist can work together closely with regard to:-

1. Assessment of abnormal head posture. How much is due to tonic reflex activity and how much to field deficit or muscle paresis, for example?
2. Fixing and following ability in cerebral palsied children. Is it possible to obtain and maintain the important central position of gaze? Perhaps opisthotonus is involving the eyes as well and making depression of gaze extremely difficult. The optimum treatment situation must be worked out which takes into account both gross motor function and visual activity.
3. Difficulty with visually directed reach. Is this motor or is it due to presentation of an unsuitable visual stimulus which might be too far away and out of focus, too small, poorly contrasted with the background or just uninteresting. It should be remembered that some profoundly multiply handicapped children do not necessarily prefer red and yellow light as normal children might and also that they may have a very high threshold of excitability.
4. Design of equipment. It has been useful to confer recently about the type and positioning of touch switches for severely physically handicapped children to allow them to operate a display board for matching of Ffooks symbols in vision testing if they are unable to pick them up.

There is much to be gained in this area from a mutual exchange of ideas. Do you know your orthoptist?

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A.P.C.P. CONFERENCE. DORSET INSTITUTE OF HIGHER EDUCATION. 3rd 4th APRIL 1982

#### Annual General Meeting.

##### Chairman's Report.

Miss R. Dawson welcomed participants to the 9th Annual General Meeting and congratulated members on their attendance at local and national conferences which demonstrated their enthusiasm for gaining knowledge in spite of economic stringency having had an adverse effect on funding by employing authorities. She urged members to consider involving themselves in regional and national committees as a further step forward.

Mrs. S. Holt, Hon. Treasurer and Mr. J. Harris, Chairman of the Publications Committee, were warmly thanked for their work during the year. A.P.C.P. booklets are supplied to enquirers the world over. Miss Dawson paid tribute to the long involvement with A.P.C.P. of Mrs. O. Nettles, who is due to retire from the Publications Committee, having put in years of greatly appreciated hard work in launching this most important side of our work.

The Chairman, in referring to the work of the Post Registration Education Committee, thanked Mrs. M. Whyte for outlining alternative methods of continuing the educative process (see August '81 Newsletter) and also for her efforts on behalf of all of us.

Miss Dawson spoke of the work of the Hon. Public Relations Officer, Miss E. Carrington in appreciative terms and encouraged members to read their Newsletters as answers to queries addressed to the chairman and the secretary were often to be found therein.

The A.P.C.P. constitution had to be re-examined during the year and alterations were almost complete due to the help we have enjoyed from Mrs. P. Robinson and Mrs. Blake, the Society's assistant secretary.

Miss Lois Dyer, Physiotherapy and Remedial Gymnastics Officer at the D.H.S.S. has involved us in consultations regarding the design of a new 14" 8 B L wheelchair. Miss Dawson mentioned the important invitation from the DES to comment on the new Education Act 1981, concerning the "Assessment and Statements of Special Educational Needs". Our views will appear in the Journal.

The Chairman mentioned the welcomed representation of A.P.C.P. in the specific interest session of the CSP Congress in London last year. She also spoke about the WCPT Congress in Stockholm in May which will be attended by the South West Regional Representative, Miss T. James.

Miss Dawson expressed regret that Miss Cynthia Mason, our Secretary, is due to retire after four years in office. She has carried out her duties with energy, enthusiasm, and persistence and given excellent support to the Chairman and the committee, who have been kept on their toes.

Miss Dawson concluded her remarks with a vote of thanks to the Conference Organising Committee, and to the National Committee for their support.

#### Miss Doreen Wheatley, M.C.S.P.

It was with great sadness that we learnt of the sudden death of Doreen Wheatley on 6th March 1982. She was the first South West Regional Representative of A.P.C.P. and she did so much towards the establishment of interest in the specialty of paediatrics both regionally and nationally. A short tribute was paid to her memory by Dr. David Vulliamy who was closely associated with her for many years. Members observed a short time of silence during the A.G.M.

#### Treasurer's Report.

You will see from the summary of accounts for the year ended 31st December 1981 that the total income of £16,795 was £5,794 higher than the previous year.

There was an increase of £1,294 revenue from subscriptions following the rise in subscription rate from £1. to £3, although at £2,294 the income from subscriptions is a very small part of our gross income. There was a drop in the number of paid up members, 723 in 1981 as compared to 900 in 1980.

All regions made a profit on courses, the profit from last year's conference being in excess of £3,000. I would like to thank all those responsible for the organisation of courses for all their effort and hard work.

Our expenses for the year were considerably higher even though there was an actual drop in administration expenses. The 1980 printing bills included new membership cards and application forms which will hopefully last a few years.

Although our net profit at £3,025 is considerably higher than in previous years it is essential to note that without the course profits we would have made an actual loss.

Our Building Society account is healthy with a balance of £7,686 But;

Publications covers all its own expenses but makes no capital. There are 5 prospective publications of APCP booklets - 3 new ones and 2 reprints. At current prices these will cost about £1,000 each to produce i.e. we are going to need approximately £5,000.

HAVE YOU PAID YOUR 1982 SUBSCRIPTION? 1983 subscriptions will be £5.00

#### Post Registration Education Report.

Please see the enclosed progress report 1982.

#### Election of Committee Members.

Chairman	Miss R. Dawson	Re-elected	
Vice Chairman	Mrs. A. Murdoch	"	
Treasurer	Mrs. S. Holt	"	
Secretary	Mrs. P. Nichols	Elected	Miss C. Mason (Retiring member)

#### National Executive Members

Miss P. Charon	Elected	
Miss C. Ball	Elected	Mrs. O. Nettles (retiring member)

#### Conference Dinner

We were pleased to welcome Mrs. J. Whitehouse, Editor of the Journal, as a guest. This year delegates were entertained after dinner by the Cornell Music Group, playing music of the 17th and 18th Century and suitably costumed. Miss Cynthia Mason, retiring hon-secretary was presented with a glass paper weight in appreciation of her tremendous contribution towards the development of A.P.C.P.

#### Trade Exhibition.

Thirteen firms exhibited equipment, the most exciting developments being Modulum Ltd., Carters (J. & A.) Ltd., Innovention (Vacuum Support) and Andrews Maclaren, Possum Controls Ltd., and Rockingham Medical Products.

1. The Maclaren/Burnett joint project, involving the design of a seat which incorporates a mould and hold lining cushion and lifts off a buggy chassis, is well underway with several advanced prototype chairs available for testing by parents and APCP regional reps., in various parts of the country. We have been asked to assess plus points and concerns about the design. We of course appreciate the opportunity to exchange views with the manufacturers.
2. Carters (J. & A.) Ltd. Some very interesting foam shapes, covered in red and green nylon, were on display which could be re-arranged using Velcro strips, and made into a wide variety of pieces of equipment e.g. a wedge and chair a play-bed etc. The kit comes in sizes large enough to cope with adolescents. Contact the firm for product information. (No product name or information was available at the Conference because they had just arrived from Scandinavia). Carters (J. & A.) Ltd., Westbury, Wilts.

3. Possum Controls. Tumble-forms, imported from the U.S.A., are useful bright, shiny firm foam shapes which are most attractive but very expensive. Feeding chairs, a prone trolley and therapy rolls and wedges are available from:-
4. Modulum Ltd., - Quadro. A construction kit which could be turned into almost anything, we thought! Essentially a red and black plastic tubular construction with fill in panels. Uses which spring to mind - climbing frame, chair, shelving, wendy house, walking ladder etc., etc.,  
From: Modulum Ltd., Terminus House, Ground Floor, 16 North End Road, London, NW11 7PH. Tel. 01 - 794 - 9327
5. Rochingham Medical Products. Highly adjustable chair and table for severely posturally handicapped children. Adjustability relies on slots in the wood frame of the chair rather than screws which are often too fiddly to bother with. £200 or £174 in V.A.T. exempted.  
For a demonstration contact Mr. M. Fountain, Rochingham Medical Products, 64 Luton High Street, Chatham, Kent. ME5 7LS. Tel 0634 - 46222/3.

#### CONFERENCE 1983

Venue - St. Martin's College, Lancaster.

Theme - "Use Your Head"

Dates - April 8th, 9th, 10th 1983.

Details later.

#### EQUIPMENT

BOOTS - AIDS. Boots now offer over forty personal aids to help in every sphere of daily living. Each store will have a catalogue available whilst 38 stores will market the whole range (including some Carters Wheelchairs).

DUO - DODGER. A chassis which takes a variety of accommodation for two babies or a pram for one baby. It can be used as a double pushchair with the children sitting face to face. Chassis £65. Large cot £13.50. Pushchair seats (each) £7.50. Contact:- Culmstock, Devon. Tel. Craddock 40840

Q.E.D. Ltd. Quest Educational Designs Ltd., now have a much wider range of products for communication aid in rehabilitation and education. Their address is 1, Prince Alfred Street, Gosport, Hants. PO12 1QH. Tel. 07017 - 81179

BENTLEY BELT. A floatation aid with an inflatable rubber membrane which allows small children from 2½ years to remain either upright or in the swimming position. From Sherelle International Ltd., College Street, Southampton.

PLAYTHINGS FOR PROGRESS. A delightful Swedish catalogue of visually very attractive play items, many in stained wood, for the special child. Well worth looking at. From:- Hagland Hanses HB, Borganäsavägen 20, S-781 31 Borlänge, Sweden.

TRIKE ADAPTATIONS. For £40 inc. carriage, three wheeler pedal trikes can be adapted to hand operation. Mr. F. Walton (retired engineer) does the work. Contact:- Mrs. M. King, Sycamore Cottage, Swan Street, Wittersham, Tenterden, Kent. TN 30 7PH.

DLF SHOE PROJECT. If you have a volunteer, who wears out his/her size 13 average lacing shoes very quickly, Mrs. E.M. Turnbull, MCSP, would like to hear from you. She is the clothing adviser to the Disabled Living Foundation and would like to try out some specially designed tough shoes on children who have serious wear problems possibly due to cerebral palsy. The shoes have been made by students at the Cordwainers College. If you can help please contact her at the DLF address:- 346 Kensington High Street, London, W14 8NS.

PENNY & GILES MYOMETER. An accurate objective way of measuring muscle strength. The display panel records clearly the peak applied force of the muscle. The unit is portable and either mains or battery operated with two sizes of pressure pad. Also useful for an objective record of changes in resistance to movement due to spasticity, if a patient is taking Baclofen. Penny & Giles Transducers Ltd., Airfield Road, Christchurch, Dorset BH 23, 3 TH. Tel. 0202 476621. Approximately £120.

#### PUBLICATIONS.

1. Royal National Institute for the Blind.  
"How to Guide a Blind Person". Sylvia Strange. A very clearly illustrated booklet for those wishing to help the blind person cope with steps, sitting safely in a chair, walking single file, getting on and off buses etc. Single copies free from RNIB, 224 Great Portland Street, London, W1N 6AA. SAE "Information for people who are losing their sight". A comprehensive guide to the services available for newly-blind people. How to become registered, education for blind children, rehabilitation etc. Availability as above.
2. "Manual for Teaching Swimming to the Disabled". Canadian Red Cross. £3.70 inc. p & p.
3. "Adapted Aquatics". American Red Cross. £3.50. inc. p & p.  
 From A.A.A. International, 16 Calderfields Close, Walsall, West Midlands WS4 2HR. Cheques to A.A.A. International.
4. Play and Handicapped Children. IYDP working party information pack.  
 On sale from mid-May from Fair Play for Children Offices, 248, Kentish Town Road, London, NW5. £1.50. inc. p & p.
5. Putting Teeth into the Act. Report criticising government ministers for not upholding the law regarding services for disabled people. Assessment of needs often poor due to lack of knowledge. Many people unable to use the system to complain. From RADAR, 25 Mortimer Street, London W1N 8AB (Summary of Disabled Persons Act 10p).
6. Lives in Question. Special supplement issued with the March/April 1982 edition of 'Link' on the ethical questions involved in the treatment or non-treatment of the handicapped newborn. Views from parents and professionals. Association of Spina Bifida & Hydrocephalus, Tavistock House North, Tavistock Square, London WC1H 9HJ. Tel. 01-388-1382.
7. Coming to Terms with Mental Handicap. Helena Press. PO Box 2, Slaithwaite, Huddersfield, W. Yorks. HD7 5JF. Covers diagnosis, parental reactions, information of helping agencies, teaching basic skills. £4.(approx.) March 1981.
8. Social Design. Booklet containing photographs of aids ideas for eating, drinking, communication etc. It includes some children's designs and is produced by the Swedish Institute of Industrial Design, Box 9045, S - 102 71 Stockholm, Sweden. Free.
9. Count Me In. Youth Libraries Association. £1.20. 37 Main Road, Shutlanger, Towcester, Northamptonshire. NN12 7RU. Concise pamphlet with details of unsentimental books about disabled children, for other children to read. Age guide given which ranges from pre-school to young adults.
10. Each According to His Ability. M.R.Marshall. Books and other materials for use by and with mentally handicapped children. Available as above.
11. Seeing Clear. M.R. Marshall. Books for the partially sighted child. Available as above.



12. The Treatment of Haemophilia. Publications available from the Haemophilia Society:- Notes for parents, Notes for Teachers, Notes for Health Visitors, Notes for Social Workers, Notes for Careers/Employment Services. Survey report (published 1971), Dick Bruna's Children's Haemophilia Book. World Federation of Haemophilia Publications: Series, The Treatment of Haemophilia - Physical Therapy in Haemophilia, Your Child and Haemophilia, Comprehensive Care for the person with Haemophilia, Surgery in Haemophilia, Orthopaedics and Control of pain in Haemophilia. From:- The Haemophilia Society, P.O.Box 9, 16 Trinity Street, London, S.E.1 1DE. No charge but a donation towards postal charges would be appreciated.
13. An Introductory Guide to Wheelchairs. The New South Wales Association of O.T's in Australia has produced a booklet designed to assist people in overcoming problems related to life with a wheelchair, for example loading and unloading from a car and transportation. Further information from Technical Aid to the Disabled (TADO) P.O.Box 108, Ryde, NSW 2112, Australia.
14. Access to Concert Halls. New resource paper from the Disabled Living Foundation with information for audience and performers who may be visually handicapped, hearing impaired, wheelchair users or have walking difficulties. (DLF Address on Page 6)
15. New Way of Living. Experiences of cerebral palsied people who have found Satisfying alternatives to paid employment. Published by the Spastics Society, 16 Fitzroy Square, London, W1P 5HQ. £1.00 + 25p, p & p.

#### BOOKS

All this Fuss about Andy. Benjamin Books. 30p. Story told by the brother of a handicapped child. Suitable for children from 3 - 6 years old.

Directory for the Disabled. 3rd ed. Ann Darnborough and Derek Kinrade. Published by Woodhead-Faulkner Ltd., £6.50 (paperback.)

Social Work with Undervalued Groups. Ruth Wilkes. £1981  
Tavistock Publications Ltd., 11 New Fetter Lane, London, EC4P 4EE. Price on application. The author proposes a need for a new philosophical approach for groups such as the elderly, dying and physically or mentally handicapped.

More than Sympathy. Richard Landsdown. 1980  
Written by the Principal Psychologist at the Hospital for Sick Children to teach parents and professionals how a child's illness may affect his/her behaviour. Tavistock Publications as above. Price on application.

With a Little Help. Philippa Harpin. O.T. 1981  
Series of eight volumes of aids and adaptations in the home for people with muscular dystrophy and allied neuromuscular disease. Published by Muscular Dystrophy Group of Great Britain. From the Aids Book, 21 Seymour Road, East Molesey, KT8 OPE. £7.50 for disabled people, £10. for professionals. Free to sufferers belonging to Muscular Dystrophy Group.

Suzy. E. Chapman. 1981  
Illustrated story for young children about a young partially sighted child  
The Bodley Head. £3.50

The Disabled Student in Higher Education. R. Holmes and F. Aprahamian.  
Conference report during IYDP at the Open University. OUP. £2.50

Disability: Whose Handicap? A. Shearer. 1981  
Blackwell. £8.50. £2.95 (paperback). What are 'normal' physical and mental attributes? Who is classed as 'disabled' and why?

Normal and Handicapped Children Thain, Casto and Peterson. 1980  
A growth and Development Primer for parents and professionals. Wright PSG £8.50



Juvenile Rheumatoid Arthritis. John J. Miller (Ed.) Wright PSG. £14.00 1979 <sup>9.</sup>

The Child: A Guide for the Paediatric Team. Jan Rendle-Short. Wright . PSG £5.50. 1977 (2nd ed.)

Essential background knowledge for nurses, physiotherapists, speech therapists and O.T's.

Basic Genetics for Health Professionals. Srivastava. Wright. PSG. £9.00 1979  
Written for allied health personnel interested in gaining basic information about human genetics.

Neuromuscular Diseases. A practical approach to Diagnosis and Management. M. Swash., M.S. Schwartz. Springer-Verlag. £24.00. 1981

Communicating with Normal and Retarded Children. W.I. Frazer and R. Grieve (Eds.) Wright. PSG. £5.75. 1981. This book traces the common growth between professions in the understanding of normal language development and the retarded person's language.

A Synopsis of Childrens' Diseases. Rendle-Short, Gray and Dodge. Wright. PSG. £13.50. 1978. (5th Ed.)

Haemophilia in Children. Progress in Paediatric Haematology/Oncology Series. Hilgartner. (ed). Wright. PSG. 1976. £11.50

Children with Chronic Arthritis. A primer for patients and parents. Gordon F. Williams. Wright. PSG. £13.75. 1981. Written for parents of children with juvenile rheumatoid arthritis and for the teenage patient.

#### ARTICLES,

Prevention of Spina Bifida: more optimism, less caution. R.W. Smithells. Link. March/April . 1982. p.8 - 9

Arrival of a Sibling. C. Kendrick. J. Dunn. Health Visitor. April 1982  
Vol. 55 : 4 p. 155 - 157

Do broken marriages affect children? M. Richards, Health Visitor. April 1982  
Vol. 55: 4. p. 152 - 153

The Problems of the Clumsy Child. N. Gordon. Health Visitor. Feb. 1982  
Vol. 55: 2, p. 54 - 57

Effect of Swimming on forced expiration and sputum clearance in Cystic Fibrosis. Zach M S, Purser B, Oberwalder B. The Lancet 1981; 11 (8257) p. 1201 - 1203.

Asato H., Twiggs, D.G. & Ellison S. EMG Biofeedback training for a mentally retarded individual with cerebral palsy. Physical Therapy 1981. 61, 10, 1447-1451

Moon M.H. Biofeedback using a respiration parameter in the treatment of behavioural breathing disorders. N.A. Journal of Physiotherapy 1981, 2, 2, 19-20

Cooksley, E. Teamwork in the education of severely and profoundly handicapped cerebral palsy children. Australian Journal of Physiotherapy 1981, 27, 3, 81-84

Leggat, E.A., Mandel, A.R., Shein, G.F. & Milner, M. Effects of relaxed breathing on circulatory and respiratory parameters in severely asthmatic children, Physiotherapy Canada, 1981, 33, 6, 366-70.

Marshall, E & Sheppard, J.L Parent participation in paediatric physiotherapy home programmes. Australian Journal of Physiotherapy, 1981, 27, 6, 179-83

Miot, A., Pettifor, J.M. & Reef, I. Cystic fibrosis and the role of the Physiotherapist. South African Journal of Physiotherapy. 1981, 37, 72-74

McMahon, C. Rationale for the use of vibration in management of tactile defensive patients. Australian Journal of Physiotherapy, 1981, 27, 3, 75-79

Keshner, E.A. Reevaluating the theoretical model underlying the neuro-developmental theory. A literature review. Physical Therapy, 1981, 61 7, 1035-40.

Montgomery, P.C. Assessment and treatment of the child with mental retardation. Guidelines for the public school therapist. Physical Therapy, 1981, 61 9, 1265-72

Goodman, M. The role of the physiotherapist in the treatment of the terminally ill or dying child. South African Journal of Physiotherapy. 1981, 37, 3, 70-71.

Karabus, C.D. The child with haemophilia. South African Journal of Physiotherapy. 1981, 37, 3, 67-70.

Karabus C.D. Leukaemia in children. South African Journal of Physiotherapy. 1981, 37, 3, 64-67

Tecklin, J.S. Physical therapy for children with chronic lung disease. Physical Therapy, 1981, 61, 12, 1774-82.

Crane L. Physical therapy for neonates with respiratory dysfunction. Physical Therapy 1981, 61, 12, 1764-73

Beckman, U. & Peat, M. The physical therapist's role in neonatal intensive care: a survey. Physiotherapy Canada, 1981, 33, 6, 357-63.

Martin, D.L. The importance of play in a child's early development. Australian Journal of Physiotherapy, 1981, 27, 6, 185-90.

Wolfe, G.A. Burnout of therapists. Inevitable or preventable? Physical Therapy, 1981, 61, 7, 1046-50

#### HOLIDAYS

Holidays for the Physically Handicapped. RADAR. From W.H.Smith & Son. £1.00

Disabled Holiday Maker - IYDP Holiday Fund. This is designed to help pay the expenses of a disabled person's escort on holidays abroad. Information from The Holidays Officer, RADAR, 25 Mortimer Street, London. W1N 8AB.

Door to Door - A Guide to Transport for Disabled People.

Department of Transport IYDP contribution covering local, national and international transport systems, aids and financial benefits. Organisations and information sources included. For publication in late spring. Subscribers to Disabled Living Foundation will probably receive a copy automatically but others will be available by Freepost from D. o E. Distribution Centre, Bldg, 3, Victoria Road, S. Ruislip.

Threshold Travel. A travel brochure advertising access details into hotels, heights of light switches, positions of mirrors etc., especially for disabled and their families. Information from the firm at Wrendal House, 2 Whitworth Street West, Manchester, M1 5WX. Tel. 061-236-9763.

#### PARENT SUPPORT GROUPS

Research Trust for Metabolic Diseases in Childhood.  
Mrs. L. Greene, 9 Gerard Drive, Nantwich, Cheshire, CW5, 5JR.

Scottish Motor Neurone Disease Association. Mr. J. Mcleod (President)  
97, Moraire Drive, Glasgow GL5.

Neurofibromatosis. Newsletter - LINK - Mrs. Trish Green, 14 Willow Way,  
Sherfield on Lodden, Basingstock, Hants.

The Arthrogryposis Group - TAG. Mrs. Margot West, Secretary, 221 Walton Road,  
Woking, Surrey, GU21 5EF. Tel. 048 62 - 25234

Please give this newly formed group all the publicity you can. It began in  
March 1982. Therapists and doctors are asked to help in any way they are able.

#### FILMS, SLIDES, T.V.

"Sorry Mate I didn't See You". B.B.C. T.V. series starting late spring.  
Preview meetings to be held in Birmingham, London, Manchester, Leeds, Newcastle,  
Glasgow, Cardiff and Southampton. If you would like to attend contact:-  
Daniel Cook, Education Officer, Continuing Education, B.B.C. Broadcasting Centre,  
Pebble Mill Road, Birmingham, B5 7QQ

"On Giant's Shoulders" The true story of Leonard and Hazel Wiles and Terry their  
adopted son who is thalidomide damaged. Broadcast in 1979 as a BBC TV  
Play of the Week, a film or video version can now be purchased or hired.  
For further details contact:- Concord Video, 201, Felixstowe Road, Ipswich  
IP3 9BJ. Tel. Ipswich 76012.

Katie's First Year. a 16mm. 25 minute film sponsored by Robinson's Baby Foods  
which concentrates on three critical periods of development - six weeks, seven  
months and eleven months. Commentary by Dr. Hugh Jolly. Available from  
Concord Films, as above. Loan charges £4.50 + VAT (film) £2.10 + VAT (video)

#### Pre-School Play Group Slides (12 per set)

S7220	Physical Play	Early Learning Activities
S7229	Social Activities	" "
S7295	Which foot first?	How Young Children Learn
S7297	How things work	" "

From Drake Educational Associates, 212 Whitchurch Road, Cardiff  
Tel. Cardiff 29414 24502/3. Price £4.10 per set + VAT + 75p for handling.

Goodbye White Coat. This O.U. programme, which will be shown on Tuesday  
May 25th at 7.05 a.m. on BBC 1 and on Saturday 29th May or 1.30 p.m. on BBC 2  
features community paediatric physiotherapy in a London borough. It is  
fitting that Mrs. Marion Whyte, APCP Post Registration Education spokesman,  
and Superintendent Paediatric Physiotherapist in the Tower Hamlets Community  
Health Service, should have been involved in this programme in the Open University  
"Special Needs in Education" course.

#### COURSES DIARY

May 12th, 13th, 14th. Scottish Naidex '82. Aids for the Disabled Exhibition  
The Royal Highland Exhibition Centre, RHAS Showground, Ingliston.  
Nr. Edinburgh.

#### Royal Association for Disability and Rehabilitation

May 20th 1982. 'Chronically Sick and Disabled Persons Act'.  
Tara Hotel, London.  
Details from The Conference Officer, RADAR,  
25 Mortimer Street, London W1N 8AB. Tel. 01-637-5400

National Children's Bureau

June 4th 1982 "Supporting Parents in the Community"  
A Focus on intensive work with disadvantaged children

Voluntary Council for Handicapped Children

June 15th 1982 The Education Act 1981 - A changing concept of Special Educational Needs. A look at the implications for professionals, the voluntary sector and parents.

For information on this and the above NCB seminar contact:-  
Denise Hicks, National Children's Bureau, 8 Wakley Street, London  
EC1. Tel. 01-278-9441

Association of Professions for the Mentally Handicapped

July 6 - 9th 1982 9th Annual Congress.  
'Mental Handicap: Care in the Community'  
College of St. Hild & St. Bede. University of Durham.  
Applications to Vince Gorman (APMH Congress), Northgate Hospital,  
Morpeth, Northumberland. Resident £63. £69 non-members.  
Non Resident £41. £49 non-members.

HyperActive Children's Support Group.

September 11th 1982. Day Conference. Tuke Hall, Bedford College  
Regents Park, London. £1.00 members, £3.00 non-members. Lunch £4.  
Contact:-Mrs.I.Colquhoun, Mayfield, Yapton Road, Barnham, W. Sussex.

Toy Libraries Association

Sept. 17th - 19th 1982. "Developing a Toy Library".  
Digby Stuart College, Roehampton Lane, London, SW15.  
Details from: Toy Libraries Association, Seabrook House,  
Darkes Lane, Potters Bar, Herts, EN6 2HL

Naidex 1982

Oct. 13th - 15th 1982. In addition to the Aids Exhibition the Conference  
Seminars will cover 'Incontinence', 'Integrated travel and  
exchanges', 'Housing & Related Care Services'.  
Cunard International Hotel, London. £14.00 per day.  
Information from The Conference Officer, RADAR, 25 Mortimer Street,  
London W1N 8AB

Active.

October 30th 1982. Autumn Conference - London. 'Communication'.  
Further details from Judy Denziloe, Active, Seabrook House  
Darkes Lane, Potters Bar, Herts. EN6 2HL

Inner London Education Authority.

September to July The Kingsway-Sesame Full Time Course in Drama and  
Movement Therapy.. Kingsway-Princeton College, Sidmouth Street,  
Gray's Inn Road, London WC1H 8JB

Course runs from September to July and is the only full time  
course in Drama and Movement in therapy. Information from  
Harvey Heath, B.A., B.Sc., (Econ) Head of Department, Arts and  
Language Studies, at the above address.

Queenwood Scientific (Education Department)

This company is willing to come to you with a course/courses on the following:-

Environmental awareness	Whole day	£70.
Communication	Half day	£35.
Motivating Movement	" "	£35.
Encouraging Mobility	" "	£35.
Training Devices	" "	£35.
Printed course notes £3. per head		
Fees - Mileage £20 per 100 miles of journey for speaker.		
Accommodation at £30. per night.		

Anyone interested should contact:- Mr. Andrews, 1 The Paddock, Stubbington, Hampshire PO14 3NS.

The firm make various electronic toys and also market some Preston equipment for motor training from the U.S.A.

B.Sc. Degree Course for Therapists.

A new course in health study science will be launched at Nene College, Northampton in November. It is aimed at people in the professions supplementary to medicine. Areas of study include behavioural sciences, human biology and health studies. Students will have an opportunity to teach and to lecture to improve their communication skills. The course is for four years and students are expected to attend for one day a week per academic year.

Further information from the Course Leader, B.Sc. Health Studies Degree, Dept. of Life Sciences, Nene College, Moulton Park, Northampton. NN2 7AL

A.P.C.P. REGIONAL REPORTS

SCOTLAND. Reg. Rep. Miss M. Booth, MCSP, 210 Union Grove, Aberdeen AB1 6SS

May 15th. "Stirling Royal Infirmary. 'Psychological Implications of Handicap and Illness for Children and their Families'".

Members. £4.00. Non-members £5.00

Contact Reg. Rep. for details

NORTH EAST. Reg. Rep. Mrs. M. Soper, MCSP, 29 Garth Terrace, Burtonstone Lane, York YO3 6DU

About 50 people attended a study day on March 13th in Leeds, when the day was split into two parts. The morning was devoted to the neonate and the special care baby unit, and the afternoon to non-accidental injury.

The Regional A.G.M. was also held on this day.

Future plans. In June or July we will be showing a film entitled "Physiotherapy and Occupational Therapy in the treatment of young cerebral palsied children" which has been made by Leeds University for the Regional Child Development Centre in Leeds. The date and time will be confirmed later.

NORTH WEST Reg. Rep. Mrs. M. Down, 62 Swann Lane, Cheadle Hulme, Stockport, Cheshire SK8 7HU

Oct. 2nd-3rd '82. Vibration & Bio-Feedback for the Multiply Handicapped Child".  
Brookhall Hospital, Old Langho, Blackburn Lancs.

NORTH WEST cont...

2nd. Vibration Therapy & Practical Assessment of the Multiply Handicapped Child.

3rd. Bio-feedback and design of special equipment for the severely subnormal child.

Fees - £8.00 per day. Non resident. £12.00 weekend non-resident  
£15.00 for weekend inc. Saturday night residence.  
Pay as you eat for meals.

Applications to Mrs. C.M.Ball, MCSP, Physiotherapy Dept. at  
Brockhall Hospital. Closing date 12th September 1982.

MIDLANDS & TRENT Reg. Rep. Miss R. Dawson, 19 Main Street, East Bridgford, Nottingham  
NG13 8PA

A meeting was held in Leicester on Feb. 2nd on deafness and surgery as the first in a series of lectures at Leicester General Hospital. On March 2nd language and remediation in the mentally retarded was covered and on May 4th, spinal problems in the handicapped. The final lecture in the series is:-

8th June '82 Present Practice & Possible Trends in Educating the ESNS child.  
Mrs. B. Croft Head Teacher.

Birmingham was the venue for the regional A.G.M. held on 3rd March 1982 at Saxon Hill School, King's Hill Road, Lichfield. Members also heard Mrs. S. Leavesley, M.A., L.C.S.T., speak on "Non-verbal Communication".

17th Nov. '82. "The Severely Multiply Handicapped Child".  
Postgraduate Centre, Dudley Road Hospital, Birmingham.  
For details contact:- Mrs. E.M.Brown, MCSP, Chadsgrove School,  
Meadow Road, Catshill, Bromsgrove, Worcs. Tel. 26-71511

WALES. Reg. Rep. Mrs. W. Williams, MCSP, 12 Gellogaer Gardens, Cathays, Cardiff

The Welsh region members are busy organising the 1983 APCP Annual Conference and as the CSP Congress 1982 is to be held in Cardiff, they are holding meetings in abeyance for a few months.

SOUTH WEST. Reg. Rep. Miss J. Tames, MCSP, 23a High West Street, Dorchester, Dorset  
DT1 1UW

There will be a study day on 'Children's Hips' in Bristol ? in June.  
The date to be announced. A new date will also be announced for the postponed Halliwick Swimming Course to be held in Cornwall.

SOUTH EAST. Reg. Rep. Miss S. Raymond, MCSP, 58 Gates Green Roadm West Wickham,  
Kent.

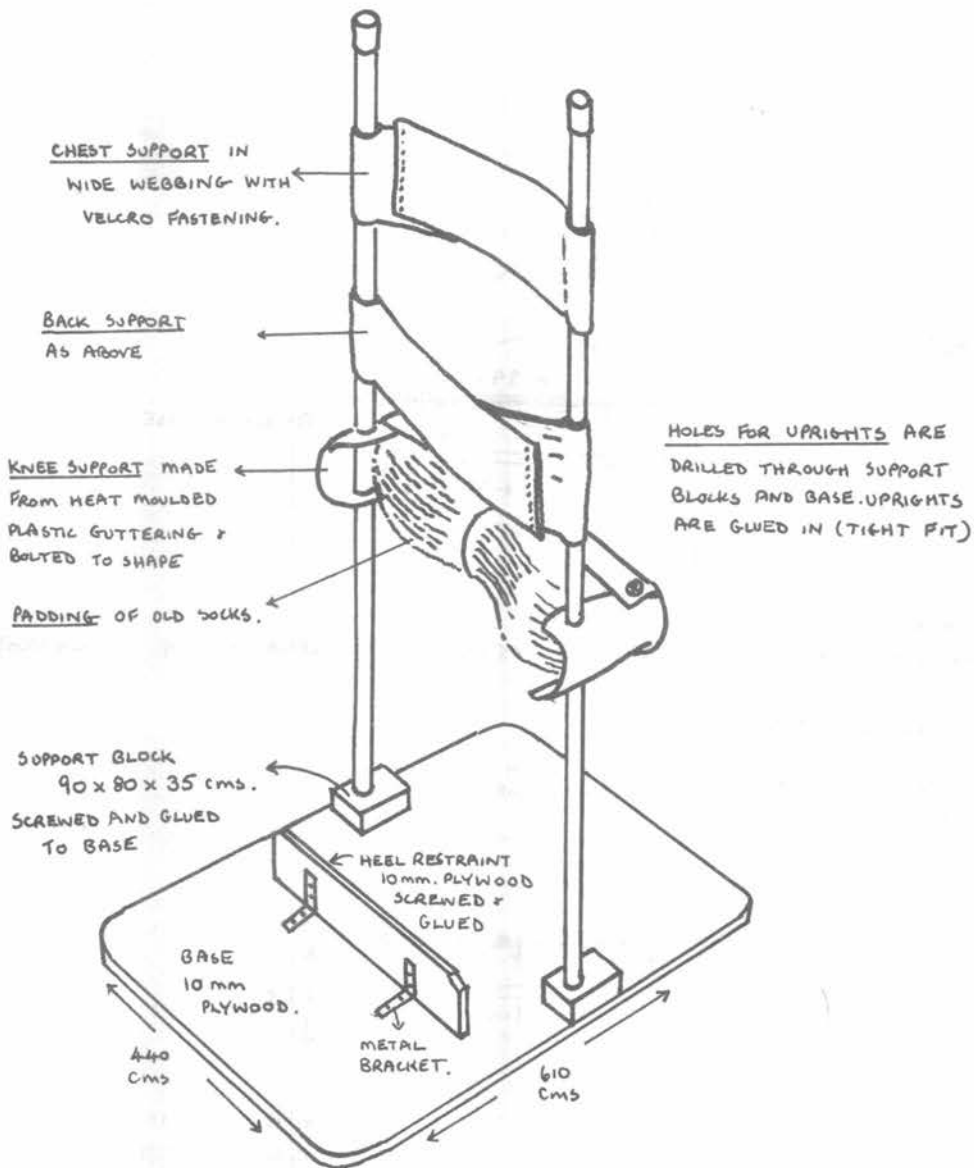
Oct. 9th Mary Sheridan Centre, Canterbury.  
"The Different Techniques of Treatment in Cerebral Palsy".  
Details from the Reg. Rep.

EAST ANGLIA. Reg. Rep. Mrs. P.A.White, MCSP, 24 Maltings Drive, Wheathampsted, Herts.

Mrs. White has received no news from the 98 members in the Region.  
She would be interested to hear from and indeed would be prepared to visit any meetings that are to be held in the Region, however small.

\* \* \* \* \*

If any member of APCP wishes to propose someone for Honorary Membership of the Association, names (with proposer and seconder) should be forwarded to the Hon. Sec. for consideration by the committee before January 1983.

DIY STANDING FRAME

Information supplied by:-

Mrs. Harlow, MCSP  
Rushton Hall School for Blind  
Children with additional handicaps

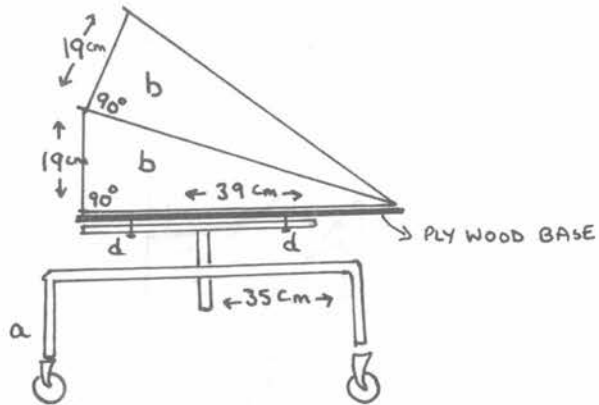
Rushton Hall, Kettering, Northants. NN14 1RR  
Tel. 0536-710506



# ADAPTED CRAWLER FOR A SEVERLEY ATHETOID CHILD.

16.

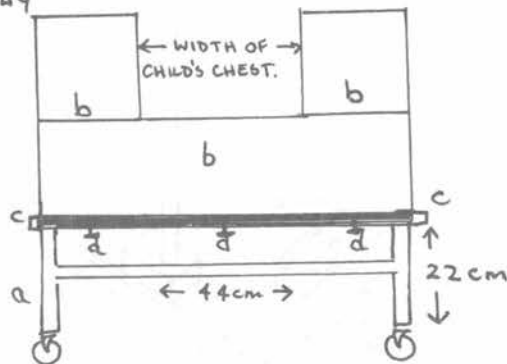
SIDE VIEW



## KEY

- a) CARTERS INFANT CRAWLER WITH CANVAS REMOVED + REPLACED BY 5 PLY WOOD.
- b) WEDGES OF FOAM  
(TOP WEDGE CUT AWAY  
TO FIT CHILD)
- c) FITTING FOR STRAP
- d) SCREWS

FRONT VIEW



Information sent in by:-

Mrs. S.M. Squire, MCSP  
Physiotherapy Dept.  
Kingsdown School,  
Snakes Lane,  
Southend-on-Sea, Essex. SS 2 6XT  
Tel. Southend-on-Sea. 527486