

# ANNUAL REPORT 1995



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## DEMAND

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**Design & Manufacture for Disability**



# DEMAND

Design and Manufacture for Disability  
Registered Charity no. 1008128

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The Earl of Snowdon GCVO RDI

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## A message from Esther Rantzen OBE Patron of DEMAND

It has been a great privilege to have been associated with DEMAND, Design and Manufacture for Disability, since its inception in 1980 when the late Lady Renton, founder and first Chairman, invited me to become a Patron. Since then I have regularly visited DEMAND to see for myself their wonderful work.

DEMAND's work is based on a brilliant idea. Yet like so many brilliant ideas, it is in fact, very simple. It is to bring together medical professionals and the DEMAND designers and craftsmen to create special furniture and equipment for children and adults with serious disabilities, often when no other solution exists.

Yusef, is nine years old and suffers from a genetic degenerative illness. He cannot walk or even sit without support. He cannot talk and communicates by moving his eyes. DEMAND built for Yusef a unique therapy chair which has made his life more comfortable.

Katherine is 6 years old. She has cerebral palsy. She cannot walk or stand. She cannot eat and is fed lying down, through a tube in her abdomen. This is a stressful task. DEMAND designed and made for Katherine a special feeding-bed which allows her to be fed with dignity and without disruption to the family.

And of course there are thousands like Yusef and Katherine, and frail old people too, who need the invention and skill, and loving care of DEMAND. But to create these little miracles they need our money. I wholeheartedly commend their marvellous work for your generous support.

*Esther Rantzen*





## Chairman's Foreword

Ladies and Gentlemen, I am pleased to have the opportunity to tell you about the valuable work undertaken by DEMAND during 1995, on behalf of children and adults with severe disabilities. A record number of projects were completed during the year and the Annual Report illustrates some of the work carried out.

DEMAND was founded in 1980 and this year we celebrated our 15th Anniversary. The late Lady Renton was our first Chairman and wrote in the first Annual Report "We have achieved much - thanks to the devoted help of our volunteers and the great generosity of our donors. We have dug the foundations, now we shall build on them".

Without complacency I believe that DEMAND has come a long way in the past fifteen years towards achieving that early vision. Our work is now recognised nationally and we regularly receive requests for our specialist help from social and medical agencies, both locally and throughout the country.

To secure the long term future the Trustees wish to relocate the Charity from rented accommodation to nearby freehold premises within the grounds of Napsbury Hospital. I am pleased to report that the DEMAND Building Fund was successfully launched during the year.

As Trustees we are always concerned that your donations should not be wasted on unnecessary administration. At DEMAND if a task can be done in house and it usually can - it is. Every aspect of cost control and accountability is meticulously managed and open to any scrutiny.

As always, we extend to you a warm welcome to visit DEMAND to see for yourselves the work we undertake on behalf of disabled people. I ask you to give your support in whatever way you can.

Michael Warr



## DEMAND at Work



The work of DEMAND is wide ranging. We provide tangible solutions for some members of our society in greatest need. We try to help all who come to us however serious and disabling their problems. The gift of a special item of equipment may enable them to continue to work, to take employment that would otherwise not be possible or allow them to live independently at home.

DEMAND's designers and craftsmen work in close co-operation with physiotherapists, occupational therapists, health visitors and social workers in hospitals, clinics, schools and people's own homes. Projects are assessed by our qualified designers who personally supervise them through to completion and the skill of our craftsmen ensures the highest standard of workmanship.

Three Cedars, DEMAND's well equipped workshop, is situated within the grounds of Napsbury Hospital. The 6000 sq ft premises contain a full range of equipment to meet our existing needs. There is a design centre; woodwork shop; metalwork shop; plastic forming and upholstery room; welding shop and a spray booth. There is excellent car parking and the single storey building allows disabled people to visit us easily.

Requests for DEMAND's help increase every year and our output is governed by the number of people we can afford to employ. Our hope for the future is that we will be able to fund the employment of additional designers and craftsmen to meet the ever increasing need for DEMAND's services.





## Feeding Bed for Katherine

Katherine is 6 years old and has cerebral palsy. She lives with foster parents and their children in Hitchin. She cannot walk or stand. She cannot sit unless fully supported. She cannot take food orally and is fed, lying down, through a tube in her abdomen.

Her foster parents were feeding her lying on the sofa, which was too low and narrow for safety. Each meal took over an hour. Feeding Katherine was a messy process and disruptive for other members of the family. Katherine's occupational therapist asked DEMAND to help.



DEMAND designed and made for Katherine a feeding bed. Her bedroom is small so it was made to fold away above her normal bed. This also allows her electric hoist to be used to transfer her to and from the feeding bed. When closed it fits neatly into a frame less than 3 ins deep and converts into a pin board which is covered with Katherine's favourite pictures. The feeding bed has gas struts to allow it to be operated effortlessly and with safety. It is made from brightly coloured material and can be easily cleaned.

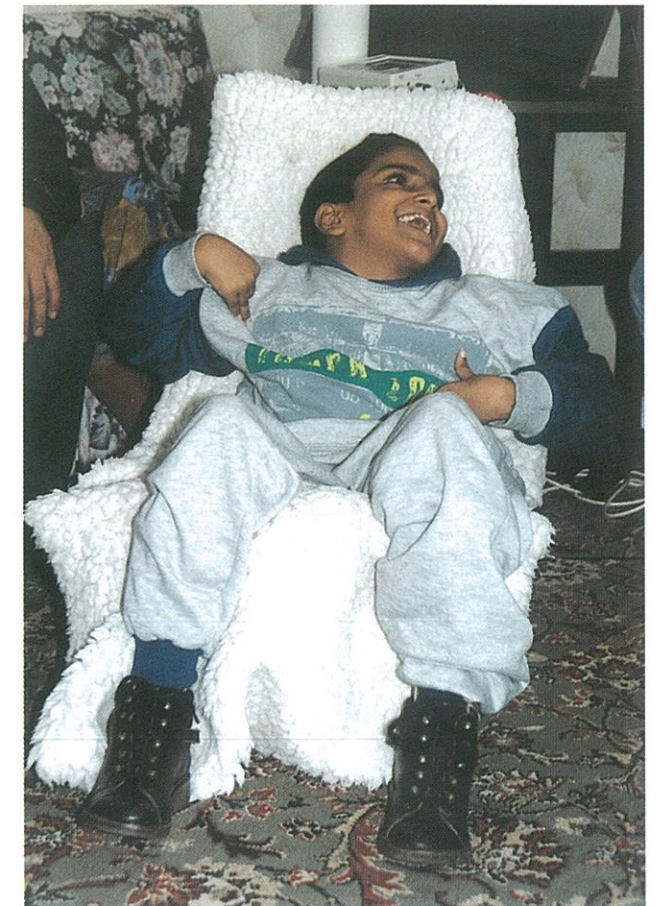
The feeding bed allows Katherine to be fed easily and with dignity. The provision of the feeding bed has relieved her foster parents of a stressful task and greatly eased the disruption to the rest of the family.



## Therapy Chair for Yusef

Yusef is 9 years old. He has a genetic degenerative illness. He lives at home in Watford with his parents and three sisters. He cannot walk, stand, or even sit without support. He cannot talk and communicates by moving his eyes. He is an intelligent young boy who, because he cannot talk, must express himself through his computer.

He uses a "Tumble-Forms" seat or a "Matrix" chair which give him support but do not allow him any movement. His tendons are contracting and so his limb movements are becoming restricted. His parents and physiotherapist were concerned that his posture will become progressively fixed. DEMAND was asked to help.



DEMAND built a Therapy Chair for Yusef. It has an adjustable back which tilts through 120 degrees with the seat. The two separate leg supports are fully and independently adjustable in all directions. The Therapy Chair has torso supports and head and arm rests. The leg supports and back rest are infinitely adjustable to enable progressive movements of his limbs to prevent his posture becoming fixed. This chair is complex and unique.

Yusef uses the chair every day and each part of his body can be exercised independently. The chair is fully upholstered and is mounted on a wheeled frame so that, as well as being a therapy chair, it is also a comfortable alternative to his other chairs. It is hoped that with frequent use of the chair Yusef will eventually regain some of his voluntary movements.



## Booster Seat for Lucy

Lucy is 4 years old. She has cerebral palsy. She lives with her parents in Watford. She cannot walk and cannot maintain her balance when using a normal chair. Her physiotherapist asked DEMAND to help.

DEMAND designed and made for Lucy a booster seat which is mounted and secured on a conventional dining chair. It has an adjustable back rest and footrest to give Lucy the best seating position. The backrest and seat are upholstered with firm but comfortable cushioning. The booster seat is improving Lucy's posture and sitting ability. It also allows her to sit up at tables and desks for meals and other activities.

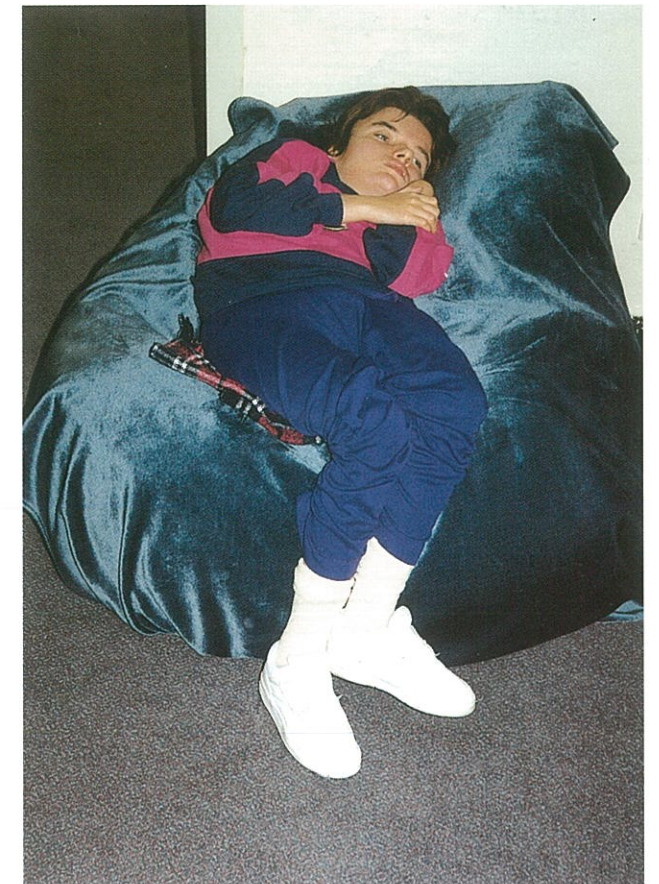
Lucy, her parents and her physiotherapist are delighted with the booster seat.



## Special Chair for Karen

Karen is 25 and has cerebral palsy. She is physically and mentally disabled. She cannot walk or stand. She cannot talk or communicate in any way. Karen is a permanent resident in a special hospital in Potters Bar.

She was spending her day lying on a bean bag, or sitting in a special moulded chair. The bean bag provided no postural support and may have been doing her harm. The chair was of rigid construction and, although it gave her correct support, she would become extremely uncomfortable and distressed after using it for a short period. Karen's occupational therapist was concerned that her seating arrangements were unsuitable for her long term care. Also, she wanted her to adopt a more upright position, and so be more aware of her surroundings. Her occupational therapist was unable to find a solution to Karen's extreme problems. DEMAND was asked to help.



## Tricycle Modifications for Ben

Ben, 17, has cerebral palsy. He lives with his mother and father in Poplar, East London. He can only walk with the aid of two sticks but is very active and spends much time out of doors with his friends. Ben's favourite activity is riding his tricycle, which his physiotherapist encourages him to do as part of his therapy. He outgrew his original tricycle and was supplied with a new one by the charity "Whizz-Kidz". Unfortunately he was unable to use it as it did not meet his special needs. Ben's physiotherapist asked DEMAND to help.

DEMAND completely rebuilt the tricycle for Ben. A special extended saddle assembly was made and fitted. The rear of the main frame was rebuilt to accommodate and support the saddle. An extended stemhead to raise the handle bars and shorter pedal cranks were made and fitted. All the associated parts of the tricycle were modified to accommodate these changes.

Ben and his physiotherapist are delighted with his new tricycle as he is now able to get out and enjoy himself with his friends.



Our designers visited Karen, and with the help of her occupational therapist, assessed her needs. DEMAND designed and built for her a special chair that supports her whole body. It was made from variable density foam sections, contoured exactly to her shape, to ensure correct postural support and comfort. It is tilt adjustable, both vertically and laterally, to enable Karen to adopt a more upright position. The chair is mounted on lockable castors for safety and easy mobility.

The provision of this chair has greatly improved the quality of Karen's life.



## Baby Carrying Aid for Alison

Alison is a young mother with a new baby called Toby. She has hemiplegia and has virtually no use of her right side. She uses her left arm to feed and change Toby and generally care for him, but she is unable to lift him safely. Her occupational therapist asked DEMAND for help.

DEMAND designed and made a special lifting and carrying cradle for Alison. The cradle is made from strong padded canvas. It has webbed fitted handles and is shaped to hold Toby snug and safe. Alison is now able to place Toby in the cradle using only her left hand and can then move him safely.

Alison is delighted with the cradle which allows her to lift and carry her baby independently and in complete safety.



## Walk/Sit Frame in Bangladesh

Valerie Taylor founded the Centre for Rehabilitation of the Paralysed at Dhaka, Bangladesh. She asked DEMAND to provide a Walk/Sit Frame for use at her Centre.

The Walk/Sit Frame is both a walking aid and a therapy aid. It is beneficial when patients are reluctant to use a conventional walking frame because they are afraid of falling through fatigue.

It has a swivel seat to allow the user to sit and rest when necessary. The seat engages automatically when a sitting position is adopted and disengages when the user stands up. It is unnecessary to let go, or turn round, to adopt a sitting position, so making it safer. It is height adjustable and has swivel castors on the front legs for mobility.

We were pleased to send a Walk/Sit Frame to the Centre. It is in constant use there and much appreciated by the patients. Valerie tells us that it has clocked up quite a fair mileage up and down the veranda.

## Sleep Supports



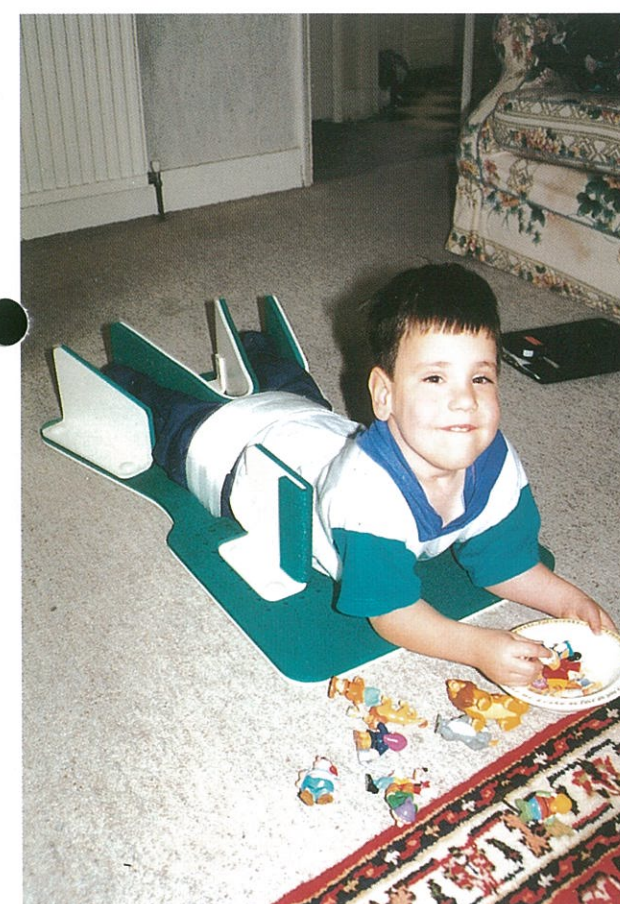
During the day many children with cerebral palsy need to use prone boards, standing frames and special seating. The purpose is to contain, and if possible, correct postural deformity.

Physiotherapists at Watford General Hospital asked DEMAND to design equipment which would continue to give the children postural support at night.

The top picture shows Samantha using the first Sleep Support specifically designed for her. This prototype was very successful. She can now maintain a neutral, comfortable position and sleep through the night without waking.

DEMAND then designed and made a standardised Sleep Support for general use. The lower picture shows Toby using the Sleep Support. It features trunk supports, a hip strap, an abduction block and ankle supports to maintain mid-line symmetry. The parts are fully adjustable to allow the Sleep Support to be used by children aged from 3 to 8 years.

The Sleep Support is constructed from soft flexible plastics which are hygienic, lightweight and easy to clean. The semi-rigid nature of the construction allows correct postural control of the child whilst remaining soft and comfortable.





## Indoor Swing

The Orchard Day Centre, Hemel Hempstead, caters for adults with severe mental and physical disabilities.

Their therapy programme includes a popular activity called "Body and Voice". This activity combines the use of a rocking chair or a hammock to create rhythmical movement and is accompanied by communal singing. DEMAND was asked to help develop this activity.

DEMAND designed and built an adult size indoor swing. The chair/seat has high sides and is angled so that it is safe for even the more severely handicapped patients. It is fully upholstered for comfort. The swing can be folded and moved from one part of the Centre to another using the special skate boards provided.

The swing is a firm favourite at the Centre and is in constant use.



## NAIDEX 1995

DEMAND now regularly exhibits at NAIDEX, the International Exhibition of Equipment and Services for Disabled and Elderly People, held at the Wembley Exhibition Centre in September.

DEMAND uses the Exhibition to increase national awareness of its aims, which are the design and manufacture of individual items of furniture and equipment for children and adults with disabilities, often when their need cannot be met in any other way.

We also displayed equipment designed for more general solutions. This year we demonstrated the Wolfson Stroke Chair, for the treatment of stroke patients in the early stages of recovery, the WingWalker, the Therapy Bench and the Floorsitter for the treatment of children with cerebral palsy. Also featured was the DEMAND Sleep Support, a new design for children, to help correct back and limb alignment and prevent congenital hip displacement during sleep.

The DEMAND exhibition again generated considerable interest from physiotherapists, occupational therapists, social workers and other carers.

## Special Mobile Bed



The Barbara Bus Fund, a registered charity, was founded in 1968 by Barbara Werndly, who was a long term patient at the Royal National Orthopaedic Hospital, Stanmore. Barbara administered the activities of the charity from her hospital bed.

The Fund provides small buses, specially adapted, to enable wheelchair users from the hospital and the community to enjoy concerts, theatre visits and other outings. Unfortunately there are some severely disabled people who are confined to bed and who cannot even use a wheelchair and so are unable to use the buses. Barbara asked DEMAND to help.

DEMAND designed and manufactured a special mobile bed which now enables severely disabled people who are confined to bed to use the buses. The mobile bed is light, manoeuvrable, well sprung and is upholstered with soft cushioning. The person is transferred from their own bed to the mobile bed. The mobile bed is wheeled to the bus and raised into the bus using the powered tail lift and then locked into position. A tilting mechanism allows the person's head to be raised to give an unobstructed view of their surroundings.

The provision of this mobile bed has enabled many seriously disabled people, previously unable to leave their beds, to enjoy outings.





## Shower Chair for Theresa

Theresa, an elderly lady, has severe arthritis and is in constant pain. She lives alone in Wandsworth. She cannot walk and is confined to a wheelchair. She can do very little for herself and needs a high degree of homecare. In recent years she has suffered uncontrolled weight gain and now weighs twenty two stones. She cannot use a bath and an extra large shower unit was installed. Her social worker was unable to find a suitable shower chair for her as those commercially available are far too small. DEMAND was asked to help.

DEMAND designed and built an extra large shower chair for Theresa. It has a welded steel frame and is finished with a waterproof, scratch resistant paint. The seat, backrest and footrests are moulded in a strong but comfortable foam plastic. The arms fold away to facilitate easy transfer from her bed or wheelchair. It is highly manoeuvrable and has lockable castors for safety.

Theresa and her carers are delighted with the shower chair which is comfortable and easy to use.



## Walking Aid for Ian

Ian, 42, is physically handicapped and has extreme learning difficulties. He is a long term resident at Harperbury Hospital. He was able to walk a little way using a walking frame. Unfortunately he developed a tendency to lean to one side and so he could no longer walk safely without supervision. His physiotherapist asked DEMAND to help.

DEMAND designed and made Ian a new walking frame. The upper part of the frame is the same size as Ian's old frame but the legs have been angled outwards. This makes it impossible for Ian to tip over even when his total weight is to one side. It is fitted with castors to the front and wheels to the rear for mobility.

The provision of this special walking frame enables Ian to walk again without supervision.



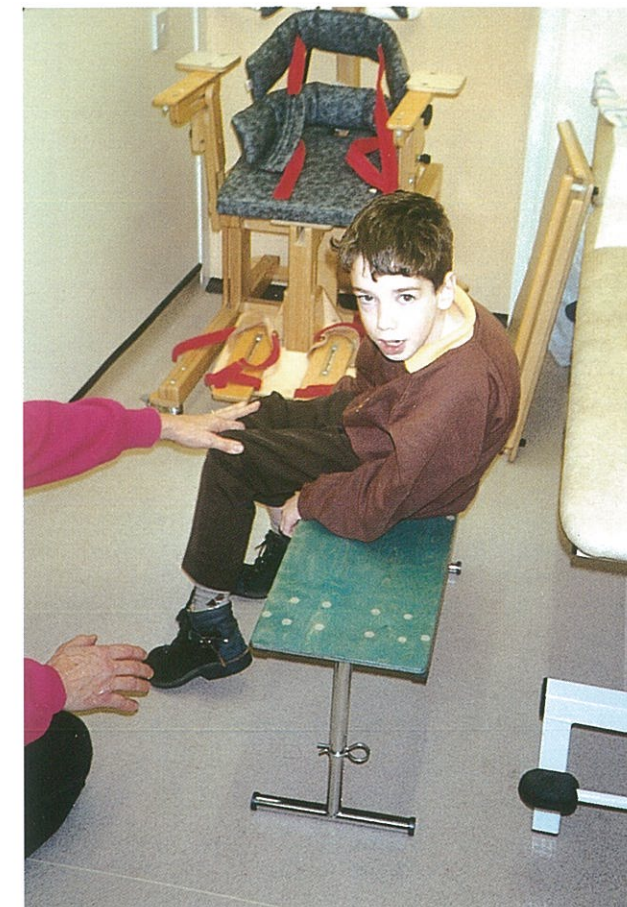
## Portable Therapy Bench

DEMAND designed a height adjustable therapy bench for use as part of the Bobath Method of treatment for children with cerebral palsy. Part of the treatment requires the child to sit at a specified height and carry out exercises involving stretching, lying, balancing and bending. Benches were given to a number of local development centres and proved immensely successful. Physiotherapists wanted to extend their use to schools and the children's own homes. The benches were too heavy to be transported easily. DEMAND was asked for help.

DEMAND designed and made a lightweight therapy bench which folds into a small pack. It weighs less than two kilograms and has a carrying handle. When in use the bench is full size. It is easily height adjustable by inserting pins through spaced holes in the legs.

The physiotherapists are delighted with the DEMAND therapy bench. They can now continue to carry out the therapy exercises with children both in schools and in their own homes.

DEMAND will further develop this concept as we believe that physiotherapists throughout the country would benefit from this equipment.



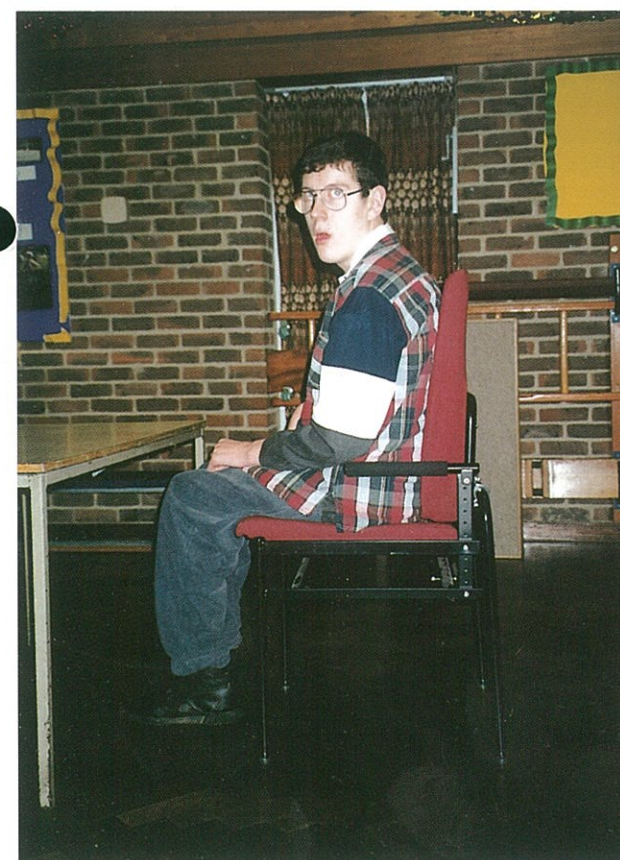
## School Chair for Thomas

Thomas, 16, is severely mentally and physically handicapped. He is well built, 6 ft tall and still growing. He attends a school for children with severe learning difficulties in Hemel Hempstead.

The school uses only standard school chairs, which are uncomfortable for Thomas, causing him to adopt a poor posture. Thomas's physiotherapist failed to find a suitable chair. DEMAND was asked to help.

DEMAND designed and built a chair to meet Thomas's special needs. It has a padded, upholstered seat and the back rest is mounted on a rigid steel frame. The back rake angle is adjustable to ensure that it gives Thomas good postural support. It is height adjustable to allow for Thomas's future growth. One of the school tables has been raised to the correct height for use by Thomas.

Thomas and his physiotherapist are delighted with the improvement this has made to his comfort.





## Other Projects

### Armchair for Steven

Steven, aged 34, suffers from severe stress and anxiety since the death of his wife. He now weighs 35 stone. DEMAND built for him a large upholstered armchair.

### Chair Modification for Sally

Sally, 24, has cerebral atrophy. She lives in the Mencap home, Harpenden. DEMAND modified the special supportive chair we built for her in 1994.

### Bed Modification for Chrissie

Chrissie, 25, is mentally and physically disabled. She experiences severe involuntary movements when sleeping and was falling out of bed. DEMAND built for her a frame to contain her bed and provide safety side panels. The panels have windows and fold down for easy access.

### Susan's Side Lying Board

Susan, 4, has cerebral palsy. DEMAND modified her existing standard side lying board to provide a full range of adjustments necessary for the therapy she needs.

### Clip-on Trays

Meadow Wood School for children with special needs uses standing ladders for conductive therapy. DEMAND added clip on trays to the standing ladders to provide greater flexibility and use of this equipment.

### Sleep Support for Michelle

Michelle, aged 4, is severely mentally and physically disabled and her posture is deteriorating. DEMAND made a Sleep Support for her.

### Transfer Aid

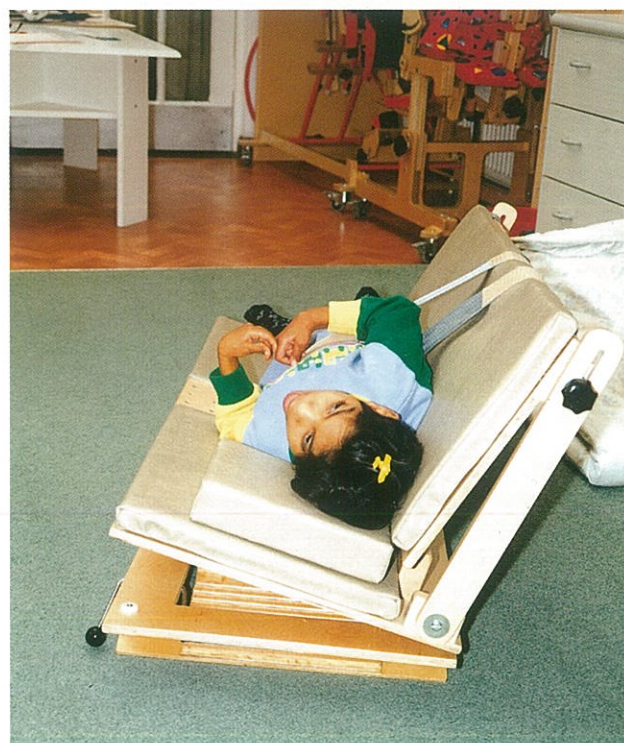
Occupational therapists at Wokingham General Hospital invented a Transfer Aid device for elderly patients, combining the use of a turntable and a standing frame. DEMAND redesigned and rebuilt the transfer aid to make it easy to manufacture. It is currently being tested.

### Prone Board Steps for Samantha

Samantha, aged 7, has cerebral palsy. She uses a large prone board at home. Her mother is small and has difficulty in lifting Samantha. DEMAND fitted two 'steps' to the prone board to allow Samantha to climb into position with minimal help.

### Motorised Chair for Mrs Shepherd

DEMAND originally made a motorised chair for Mrs Shepherd, who has acute arthritis and is severely overweight. We rebuilt the chair and added a foot rest extension for greater comfort.



### Walking Frame for Jim

Jim, a patient at the Brain Injury Unit, Napsbury Hospital, is very tall. DEMAND raised and extended the arm supports of a standard walking frame for him.

### Neuro Chair Refurbishment

DEMAND built a Neuro Chair for Barnet General Hospital. The Chair is in constant use. We refurbished the chair and reupholstered it with vinyl to improve wear and make it easier to clean.

### Wheelchair Modification for Mrs Arthur

Mrs Arthur is very elderly and severely overweight. We previously widened her wheelchair. DEMAND has since further modified the chair to improve her comfort.

### Armchair Modification for Ethel

Ethel is a mentally ill patient at Napsbury Hospital. DEMAND modified a reclining Vibro-Therapy armchair to provide good postural support for her.

### Hand Grip for Sheila

Sheila, 50, a patient in the Brain Injury Unit, Napsbury Hospital, uses a motorised wheelchair. DEMAND fitted a hand grip to the chair to improve her stability.

### Shopping Trolley Modification for Rose

Rose, 65, has very short arms. She was unable to use her four wheeled shopping trolley. DEMAND modified her trolley by extending the handle.

### Leg Sleep Tunnel for Richard

Richard, aged 10, has cerebral palsy. He likes to sleep on his side but this can cause his hip to dislocate. To prevent this, DEMAND made a large foam "tunnel" to separate and support his legs.

### Computer Foot Switch for Kim

Two years ago DEMAND made for Kim a mounting for a computer foot switch. Modifications were added to prevent the cable from wearing.

### Toilet Aid for Barbara

Barbara, 35, has cerebral palsy. She was toileted in an uncomfortable lying position. DEMAND designed and built for her a comfortable toileting frame made from soft, washable plastics.

### Car Seat Modification for Philip

Philip, 25, is paraplegic. He could not drive his modified car without experiencing severe back pain. DEMAND made inserts for the seat and footwell to provide comfortable support. He can now drive for longer periods.

### Bed Modification for Russell

Russell, 20, has cerebral palsy and lives in sheltered accommodation in St Albans. He was injuring himself by falling out of bed. DEMAND built a surround for his divan bed. He now uses a high adjustable bed and we modified the original surround to fit.

### Toilet Frame

Meadow Wood School caters for children with special needs, many of whom need support when going to the toilet. DEMAND designed and built an adjustable toileting support frame for them.

### Wheelchair Modification for Dr Williams

Dr Williams has had several strokes and has poor mobility. He was slipping out of his wheelchair. DEMAND replaced the backrest and the seat and added supportive armrests and a deeper footrest.

DEMAND also helped many other disabled people to locate the special equipment they needed. Advice was sometimes given in reply to a telephone enquiry but more frequently resulted from our visiting the client at home and assessing their needs. We advised over a hundred clients in this way.

## Staff Associates:

Ron Currell, Operations Manager  
Alan Stokes, Finance & Fundraising Manager  
Beryl Cresswell, Administration  
Brian McGirr, Designer  
Graham Dawkins, Designer & Craftsman  
Charles Knee, Craftsman  
Kelvin Scott, Craftsman  
Paul Malloy, Craftsman  
Gordon Tapping, Craftsman



### Microphone Mounting for Janet

Janet has multiple sclerosis. She controls her wheelchair with her chin. She also uses a speech amplifier. DEMAND made a microphone mounting which does not impede her control of the chair.

### Sleep Support for Nicky

Nicky, aged 6, has cerebral palsy. She has postural control problems and sleeps restlessly. DEMAND has provided her with a Sleep Support.

### Walking Sticks Holder for Mr James

Mr James has multiple sclerosis. He uses a powered wheel chair. DEMAND built an accessory for the chair to hold his walking sticks.

## Project Committee:

David Smith, Chairman  
Michael Warr, Deputy Chairman  
Ron Currell, Operations Manager  
Brian Greathead, Chief Executive  
Thomas Mercer, Trustee  
Alan Spindler, London Guildhall University



## London Guildhall University

The new unitised programme 'MA/Design Research for Disability' is now tested and the first cohort of postgraduate students will complete their studies in February 1996. The shorter three semester programme works well, with the overall quality and standard of research work being maintained.

Annette Taylor, a part-time student on the Postgraduate Diploma course, won the Irene Mould Award presented by DEMAND. She designed a communication aid for severely disabled people who are unable to access computer technology as they do not have a single reliable movement. e.g. eye blink or head movement. Annette's communication aid requires only an ability to indicate a yes/no response and consists of the alphabet and twelve graphic illustrations which give information or requests. Her work at the Royal Putney Hospital allowed her to design and test the project with severely disabled people suffering from multiple sclerosis. The project proved to be exceptionally successful.

An invitation to exhibit course work at the 'Innovation and Invention Fair' held at the Barbican Exhibition Centre in March allowed Adrian Eynon, a student sponsored by DEMAND, to show his virtual reality programme for autistic children to a wide public audience. This also gave an opportunity to publicise the work of DEMAND and its relationship to London Guildhall University.



This photograph is an example of a room within a virtual reality world for autistic children. The images shown are used in a teaching programme for the development of spatial awareness and understanding.



Charles Ducker, Marion Main and Graham Race also exhibited their project work to good effect, with Marion winning the Invention of the Fair Award for her inflatable standing frame/suit. Great interest was shown in the design work exhibited, with manufacturers offering the possibility of either employment or production potential.

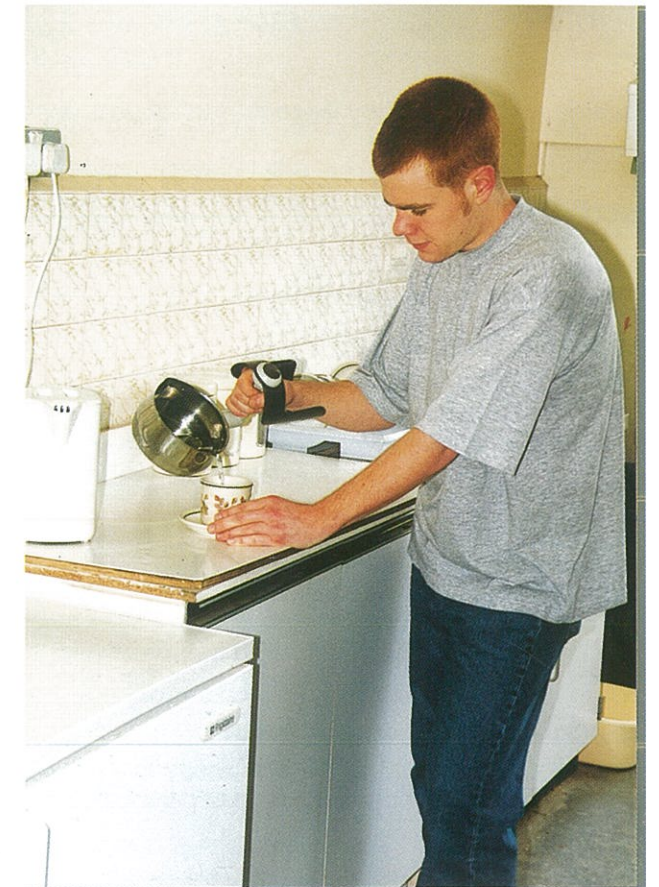
London Guildhall University would like to thank DEMAND for the help they have given the course over the past year.

## Student Placements

Stuart Elliott is studying for a BSc (Hons) degree in Industrial Design at Brunel University. He obtained a placement with DEMAND to gain ten weeks experience in designing for disability.

DEMAND asked Stuart to assess the need for a Saucepan Handle Wrist Support for people with weak wrists who have difficulty in lifting and carrying saucepans between the cooker and work-top areas of the kitchen. No satisfactory products are currently available.

Stuart designed and made a handle for saucepans which incorporates wrist as well as hand support to enable people with weak wrists to use saucepans safely. The grip section is a two part injection moulding. The wrist support is a single part injection moulding. The design is easy to use, well balanced and easy to clean. The Saucepan Handle Wrist Support would be inexpensive to produce.



Tim Mews is studying for a BA (Hons) Degree in Furniture and Product Design at Trent University. He undertook a ten week placement at DEMAND and was encouraged to design and develop his own project. Following a visit to Meadow Wood School, for children with special needs, he chose to design a Therapy Play Mattress.

The equipment comprises a mattress which incorporates sixteen different sound cells. Each sound cell is indicated on the outer mattress by individual soft touch colour pads. The children press the colour pads and are rewarded by a sound. They enjoy the therapeutic experience of making the sounds and are encouraged to repeat them in a musical way. The mattress also helps to develop their co-ordination and stimulates their interest. The system is battery operated and so absolutely safe.

The Play Mattress has proved very successful.







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Barrie Doar Esq  
Martin Dodgson Esq  
The Dog Catchers Quiz Team  
Mrs E G Doherty  
R M Douglas Charitable Trust  
Drapers Charitable Fund  
Mr & Mrs P A Driver  
Druck Limited  
Marchioness of Dufferin & Ava  
The Vivien Duffield Foundation  
N F Dunkley  
Eagle Star Insurance Co Ltd  
Eastern Electricity  
Eaton Limited  
A P Edge

Electrolux Limited  
Alan and Tara Elliot  
Miss E Elson  
Anne Lady Elton  
The Esmee Fairbairn Charitable Trust  
R F Evershed  
Norman Evershed Trust  
Express Newspapers plc  
M J Ezra  
Fine Arts Developments plc  
Fitton Trust  
Robert Fleming Holdings Limited  
J G Fogel Charitable Trust  
J D Foster  
The Frazer Charities Trust  
The Freemasons' Grand Charity  
Gibbins Charitable Trust  
Mrs R H Gillespie  
Glaxo (1972) Charity Trust  
M J Gleeson Group Plc  
The Penelope Gluckstein Charitable Settlement  
The Glynwed Charitable Trust  
The Isaac Goldberg Charitable Trust  
Golden Charitable Trust  
Mrs Ruth Goldie  
Goldsmiths' Company  
J G Grantham  
Sir Derek Greenaway Foundation  
Miss A S Greig  
Stanley Grundy Foundation  
The Haberdashers' Company  
C C Hall  
Joyce Elizabeth Hames  
Eleanor Hamilton Education and Charitable Trust  
Harrisons and Crosfield Charitable Fund  
Haynes & Company Limited  
Hemel Hempstead East Social Services  
Steve Henrys Esq  
Hertfordshire Assoc for Disabled  
John Heyer Paper Ltd  
Lady Hind Trust  
Mrs J Hoare  
Hobson Charitable Trust  
The Jane Hodge Foundation  
Honeywell Control Systems Ltd  
Robert Horne Paper Company limited  
Mr A & Mrs M H Howarth  
I B C Charity Fund  
ICI Charity Trust  
IMI plc  
Inner Wheel Club of St Albans  
The Inverforth Charitable Trust  
INVESCO Europe Limited  
R A Jackson & A T Thurnham  
Jephcott Charitable Trust  
Mrs C A Jones  
R Jones Esq  
Ian Karten Charitable Trust  
Kellogg Company of Great Britain Limited  
T Kennedy Esq  
Mrs P M Key  
C M Keyser Charity Trust  
Mrs Carmen S King  
Kleinwort Benson Charitable Trust  
Ernest Kleinwort Charitable Trust  
HP & B Kyle  
The Christopher Laing Foundation  
Laporte Plc  
LASMO plc  
Laspen Trust  
Damon de Laszlo Esq  
Mrs F B Laurence's Charitable Trust  
Edgar Lawley Foundation  
Hon Mrs A W Lawson Johnston  
Lazard Bros and Co  
Lady Legge-Bourke  
Miss D K Leversha  
The Lewis Family Charitable Trust  
Sir Edward Lewis Foundation  
Mrs D M Lewis  
Lex Service PLC  
Lilly Industries Limited  
Lloyds Bank Plc  
Oliver Lodge Esq  
London Clubs International plc  
London Metal Exchange Ltd  
Denis Long Esq  
Mrs Carol Lowe

Macallan - Glenlivet Plc  
ED & F Man Ltd Charitable Trust  
Marks and Spencer plc  
Mars G.B. Limited  
Matthews Wrightson Charity Trust  
The Maxwell Trust  
McCormick (UK) Plc  
The Medical Insurance Agency Charity  
Mrs H M Meier  
MEMEC Plc  
Mendagold Trimmings Limited  
Thomas Mercer Esq  
Merchant Taylor's Company  
Middlesex County RFU Memorial Trust Fund  
The Miller Group Limited  
The Ministering Children's League  
The Andrew Mitchell Christian Charitable Trust  
Mrs E I Mitchell  
Sir David & Lady Money-Coutts  
A Morphy Memorial Fund  
L Morrison Esq  
G A Moxon Charitable Trust  
MVM Charitable Trust  
National Power Charitable Trust  
Mrs Nessa  
Newman - Tonks Group Plc  
BA & BV North  
NW Reinsurance Corporation Limited  
Dr O'Loghen  
The Oppenheimer Charitable Trust  
W N Palmer Esq  
A G Parfett & Sons Ltd  
Constance Paterson Charitable Foundation  
Mrs A M Pearce  
Peartree Quilters  
PF Charitable Trust  
Pfizer Ltd  
Mrs Olga Polizzi  
Price Waterhouse  
The Priory Foundation  
L E Pritchitt & Company Limited  
P G Pyman Esq  
The Rainford Trust  
Mrs J L Ratcliffe  
Mrs J E Ridgeon  
Mrs E R Rigby  
The Robertson Trust  
The Hon Mrs Roberts  
Roche Products Limited  
Rothmans International Limited  
N M Rothschild & Sons Limited  
Royal Bank of Canada  
The Rugby Union Charitable Trust  
Saint Sarkis Charitable Trust  
Sara Lee Household and Personal Care UK Ltd  
R F Saunders Esq  
Mrs Ada Marjorie Scott  
R W Scruton Esq  
L Seaby Esq  
N H Seale  
Secombe Marshall & Campion PLC  
Second Sidbury Trust  
Self Serve Hygiene Ltd  
R Silverman Esq  
SLA Holdings Limited  
Sir Christopher Slade  
SMB Charitable Trust  
E H Smith Charitable Trust  
Freddy Smith Charitable Trust  
Mrs M A Smith  
Smiths Charity  
Sobell Foundation  
The Societe Generale U K Group Charitable Trust  
The Society of Lloyd's of London  
Sony (UK) Limited  
Sphere Drake Underwriting Management Ltd  
D Stylianides Esq  
Subaru (UK) Ltd  
Dr N Sullivan  
Sulzer (UK) Ltd  
Bernard Summers Esq  
Bernard Sunley Charitable Foundation  
Alison Sutton-Mattocks  
Mrs E G Swainson  
Stella Symons Charitable Trust  
The Economist  
GV & I G Thomas  
The Thomson Corporation Charitable Trust

The Sir Jules Thorn Charitable Trust  
P J & E Thorp  
Tomkins plc  
Towry Law plc  
Jill Tozer  
Transport Development Group Plc  
Travis Perkins Trading Co Ltd  
TSB Foundation for England and Wales  
Joan Turner  
UIP Charitable Trust  
Unilever PLC  
United Biscuits Ltd  
United Friendly Group plc  
R W Upton Esq  
David Utting & Alison Maitland  
The Valentine Charitable Trust  
The Albert Van Den Bergh Charitable Trust  
Mrs S P Van der Steeg  
The Vandervell Foundation  
Volex Group plc  
Wagon Industrial Holdings plc  
Mrs J I Wallace  
F J Wallis Charitable Trust  
AJ & DL Warman  
Watford & West Herts Scottish Society  
The Weinstock Fund  
Duke & Duchess of Wellington Charitable Trust  
Garfield Weston Foundation  
The Samuel Whitbread Charitable Trust  
The Simon Whitbread Charitable Trust  
The Whyte & Mackay PLC  
Rudolf Wolff Trust  
Brigitte Woodward  
Mrs W M Woolfenden  
Worshipful Company of Constructors Charitable Trust  
Dave Wright Esq





