

# ANNUAL REVIEW 2000



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# DEMAND

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**Design & Manufacture for Disability**

[www.demand.org.uk](http://www.demand.org.uk)



# DEMAND

Design and Manufacture for Disability

Registered Charity No. 1008128

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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.

There are thousands of children, young adults, and frail old people too, who need the invention, 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

DEMAND: Design and Manufacture for Disability, is a practical charity which creates unique items of furniture and equipment for adults and children with severe disabilities. We design and make equipment for anyone who has need, regardless of their ability to pay.

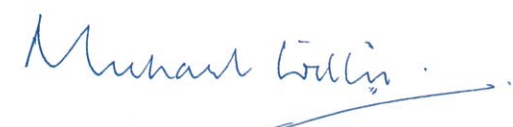
For many businesses and indeed some Charities, the Annual Review is prepared as a reaction to a statutory requirement and is viewed as a necessary evil. Our Review is a living document, a vital part of our fundraising and a celebration of the astonishing achievements of our craftsmen, designers and fundraisers.

The need for our services is becoming increasingly vital in the light of a much greater awareness of the needs of the disabled in the community. However, whilst many items that we have designed in the past are now available in specialist shops, the continuing referrals from physiotherapists and the Government's commitment to more care at home indicate that there is a burgeoning need for those items which need to be designed specifically for the individual.

The millennium year has seen us settle into our new premises and develop the greater efficiencies that flow from a facility converted and equipped to meet our special needs. The current year will see our core work continuing and the launch of our website. We fully expect this development to expose us to a wider audience and hope to see some positive impact on both our income and the need for our help.

Once again, may I express my deep gratitude to all those who have given support during the year. Our work hinges on that continued commitment.

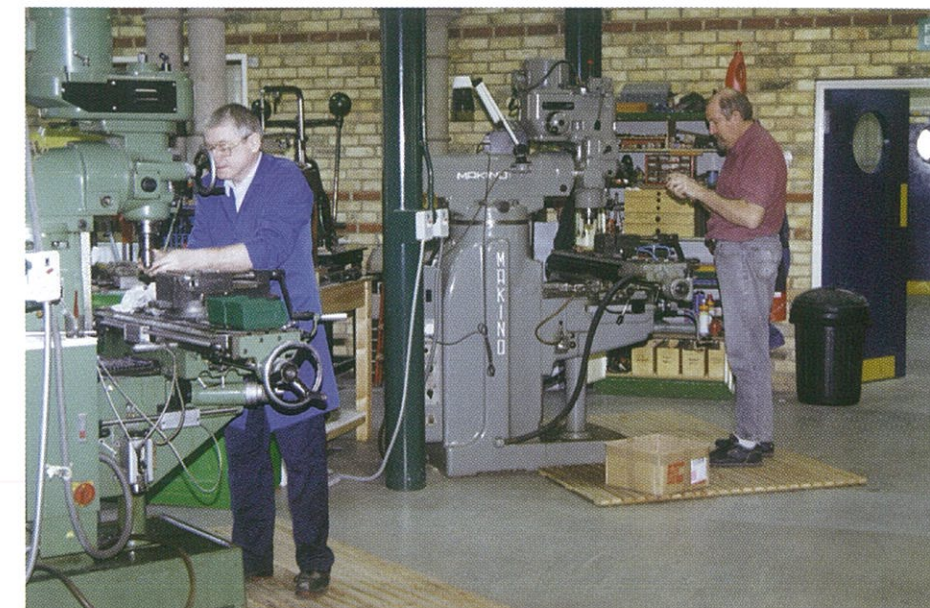
We extend a warm welcome for you to visit DEMAND to see for yourselves the quality and variety of work we undertake.



Michael Willis



## About DEMAND



DEMAND, Design and Manufacture for Disability, makes unique furniture and equipment for anyone who has need, regardless of their ability to pay. We try to help all who come to us, however serious and disabling their problems.

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 designers who personally supervise them to completion. The skill of our craftsmen ensures the highest standard of workmanship.

The Old Chapel, our freehold premises, has been converted and equipped for all our needs. A first floor and an extension to the rear have been added. On the ground floor there is a woodwork shop, metalwork shop, plastic forming and upholstery room, welding bay and a spray booth. The design studio and administration are located on the first floor. The workspace The Old Chapel provides fully meets DEMAND's current needs and allows for future expansion.

The Chapel is ideally located, being within 2 miles of both the M1 and M25. It is easily accessible for people with disabilities and there is ample parking space.

Thanks to the generous support received, DEMAND has completed almost 300 projects over the past 5 years. Some of those completed during 2000 are described in the following pages of this Annual Review.





## Bicycle Modifications for Julie

Julie is 6 years old. She lives at home in Borehamwood, Herts. She has cerebral palsy. She cannot walk or stand. Julie used a special tricycle for exercise to prevent the tightening and stiffening of the muscle joints and tendons in her legs. Unfortunately, she has outgrown the tricycle and her physiotherapist, unable to find a suitable replacement, was worried that without the exercise Julie's condition would quickly deteriorate. DEMAND were asked to help.

Our designers carried out an assessment of Julie's needs and recommended the purchase of a specific bicycle which we could modify. DEMAND designed, made and fitted a seat with a padded, wrap around back support. The gears were disconnected and a fixed wheel fitted. Large stabilisers and special toe straps were made and fitted and for extra safety, a handle was fitted to the back of the bike to allow an adult to gain control if necessary.

Julie is delighted with her new bicycle. Her physiotherapist is pleased that she is once more getting the exercise she needs and in such an enjoyable way.

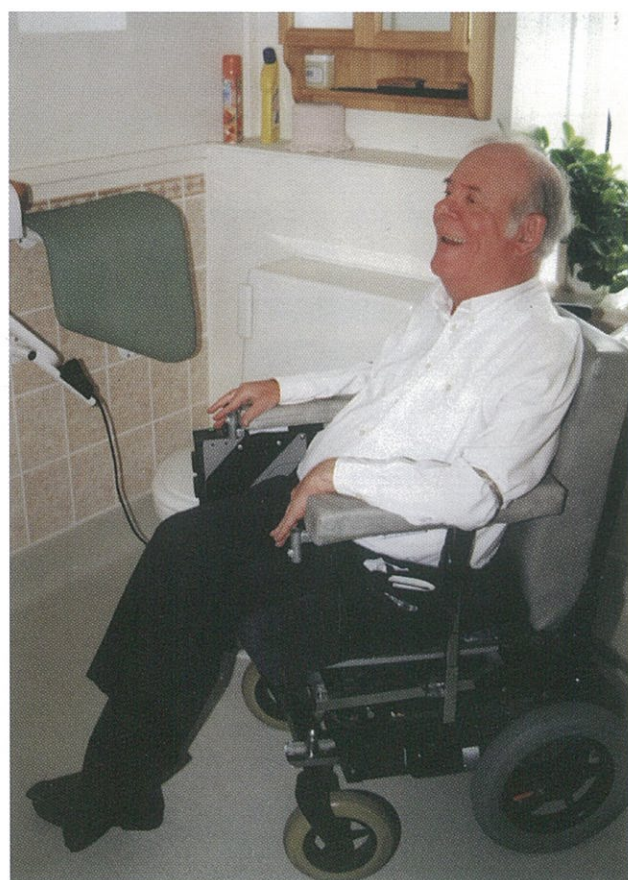


## A Bath Seat for Denis

Denis is 60 years old. He has muscular dystrophy. He lives in special accommodation in Ham, London. When bathing he has a special seat fitted in the bath. Recently his accommodation has been refitted and Denis now has a new bath. Unfortunately, his seat does not fit the new bath. DEMAND were approached by his occupational therapist and asked to help.

Our designers visited Denis at home and assessed his needs. It was decided that with modifications his existing seat could be made to fit the new bath. DEMAND designed and made a new base frame to which the existing seat was assembled and which fitted securely in the bath. Additional security was added to prevent the seat slipping. The existing fitted arm was remade to allow it to swing away when getting Denis in and out of the bath.

DEMAND also designed, made and fitted a special support rail to help Denis when using the toilet.



## A Portable Chair for Vishal

Vishal is 15 years old. He has cerebral palsy. He is physically and mentally disabled. He cannot communicate in any way and is unable to walk, stand or sit unaided.

He lives at home in Redbourn, Hertfordshire. Vishal uses a special wheelchair, but this isolates him. His mother would like him to sit next to her on the sofa, but without having to support him. His Occupational Therapist asked DEMAND to help.

Our designers visited Vishal and with his Occupational Therapist assessed his needs. DEMAND designed and built Vishal a portable chair. Designed to rest on the sofa, it is supported on the floor by a tubular steel frame which slides under the sofa. The seat and backrest are made from variable density foam and contoured for comfort. It has a padded pommel, to maintain leg abduction, three padded side supports, a footrest and headrest, all of which are adjustable. The chair is upholstered in wipe clean vinyl and fitted with lap and thigh straps for safety. The height of the chair is adjustable and it can be folded for carrying. This allows it to be taken to family and friends, and used on other sofas.

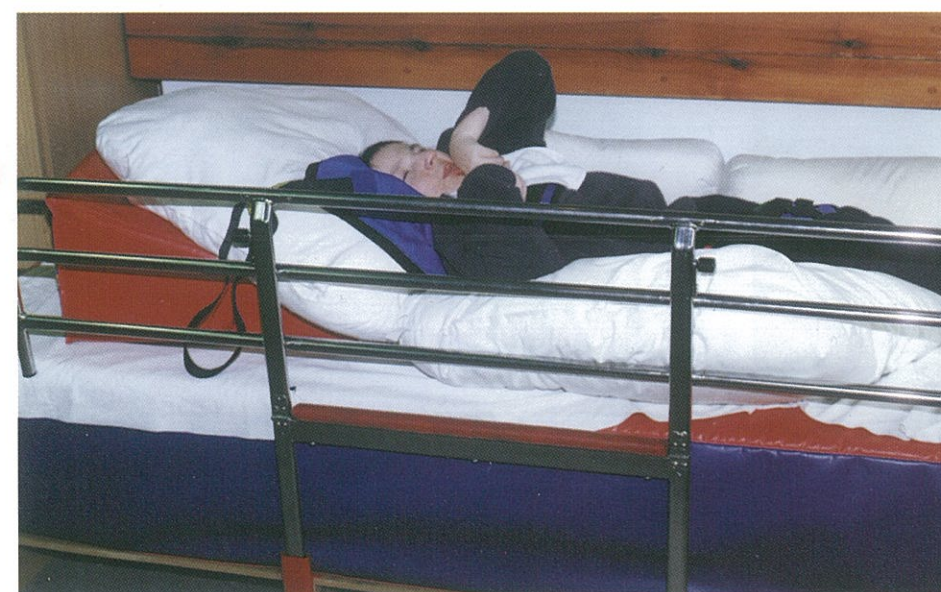
His mother is delighted with the chair, which allows Vishal to sit next to her on the sofa even when visiting.



## Bed Supports for Peter

Peter is 28 years old. He has cerebral palsy and is severely mentally and physically disabled. He cannot walk, stand or sit unsupported. He lives in sheltered accommodation in Potters Bar, Herts. Peter attends a day centre in Borehamwood where he spends a good deal of his time on a large, square mattress. He can be very restless and the staff need to attend constantly to stop him falling off and hurting himself. They asked DEMAND to help.

DEMAND's designers visited Peter at the day centre and assessed his needs. They



designed, made and fitted a set of bed rails. The rails are made from chrome tube, extending the length of the bed, and secured firmly to its base. To allow access for a hoist the rails can be hinged down.

Peter's carers are delighted that he can now use the mattress safely and without having to be constantly watched.



## A Drawing Board for Sarah

Sarah is 7 years old. She lives at home in Abbots Langley, Herts. She has athetoid cerebral palsy, shaky movements and an unsteady gait that result from the inability to regulate muscle control. She is a happy, cheerful little girl. She enjoys writing and drawing. Sarah uses a special chair at the table, but is unable to work on a flat surface. As writing and drawing play a significant role in her therapy her mother and occupational therapist came to DEMAND for help.

Our designers visited Sarah and made an assessment of her needs. DEMAND designed and made a drawing board for her. It has a large tilted surface which can be adjusted to give the most suitable angle for working. An extended wrap around area gives support to Sarah's arms. The board can be secured to any table.

Sarah, her mother and her occupational therapist are all delighted with the Drawing Board. She is now able to carry on enjoying her writing and drawing whilst benefiting from the therapy it gives her.



## A Shower Chair for Jean

Jean is 65 years old. She lives at home in Chipperfield, Herts. She has an inoperable brain tumour. She cannot stand or walk unaided. She is cared for by her husband who caters for most of her needs. Unfortunately, he is unable to get her into and out of the bath safely and so Jean uses the shower. Her condition has deteriorated and she is less able to assist her husband in the operation. A Shower Chair was required but, because of the high step into the shower cubicle, her occupational therapist has been unable to find one suitable. She came to DEMAND for help.

DEMAND designed and built Jean a shower chair. The chair frame is made from steel and fitted with four lockable castors. The seat, back and armrests are of moulded plastic. The armrests can be lifted away to allow transfer from her wheelchair and the seat can be extended forward allowing the chair frame to remain in the shower cubicle during transfer. The seat can then be pushed back into the shower cubicle with Jean seated.

The result has been a chair which is safe and easier for Jean to use.



## A Walking Frame for Michael

Michael is 35 years old. He lives in sheltered accommodation in Bracknell, Berks. He is severely physically and mentally disabled. Michael has good upper body strength but his legs and feet are misshapen. He is unable to walk or even stand unsupported. He was spending his whole day sitting in a chair. His occupational therapist knew that if he could walk or even stand the benefits to Michael's physical and mental health would be greatly improved. Unfortunately, existing standing and walking frames were totally unsuitable. His occupational therapist came to DEMAND for help.

Our designers visited Michael to assess his needs. DEMAND designed and made a fully adjustable standing/walking frame for him. The upper part of the frame consists of full length, height adjustable, padded forearm supports together with vertical handgrips. This enables him to use his upper body strength to take the majority of his weight. The lower part of the frame is extra wide to accommodate his unusual gait. It has four castors (lockable for when used as a standing frame) two revolving bumpers at the front and adjustable feet to prevent it tipping backwards.

The frame has given Michael the independence previously denied to him.



## A Standing/Play Frame for Anthony

Anthony is 4 years old. He lives at home in Maple Cross, Herts. He has cerebral palsy. He cannot walk, stand or sit unsupported. He uses a special multi activity standing frame to give him as much exercise and stimulation as possible. Unfortunately, he has outgrown the frame and although alternative aids were tried they were found to be unsuitable. Anthony's physiotherapist was worried that without the exercise and stimulation his condition would quickly deteriorate. They asked DEMAND to help.

Following an assessment at Anthony's home DEMAND's designers modified his existing frame to meet his needs. A special wooden forming tool was made and used to vacuum form a new set of longer legs to replace the existing ones. They are made of a tough, bright coloured plastic to match the existing frame.

His physiotherapist and his mother are pleased that he is again getting the exercise and stimulation that he needs and Anthony is happy too!



## An Armchair for James

James is 27 years old. He lives in sheltered accommodation in Finchley, North London. He has cerebral palsy and is mentally and physically disabled. He cannot stand or walk and needs support when sitting. He uses a wheelchair. His carers and occupational therapist preferred him to use alternative seating such as an armchair. Unfortunately, he is rather robust with a tendency to throw himself about and James has destroyed a number of armchairs. His carers came to DEMAND for help.

DEMAND designed and made a rigid, welded steel frame and bolted it to the inside of the wooden frame of a standard armchair. The seat of the chair was angled back to prevent him from tipping forward. A retractable footrest was fitted. The Armchair was reupholstered with additional foam for comfort and covered in a tough wipe clean vinyl.

He now has a comfortable, safe armchair which also allows him to interact socially with his fellow residents, bringing advantage both to James and his carers.



## Wheelchair Ramps for Heather

Heather is 17 years old. She lives at home in Kent. She has cerebral palsy. She uses a wheelchair. The entrance to her home has two steps, which she could not negotiate with her chair. She would need to be assisted from the chair and using a walking frame, together with the help of her father or mother, she would negotiate the steps. As she got older this procedure became more difficult and unsafe. Commercially available ramps were tried, but proved unsuitable. As DEMAND had successfully helped Heather with a previous problem her occupational therapist again came to them for help.

Our designers visited Heather at home to assess the problem. DEMAND designed and made for her a set of ramps. The ramps are set at three angles to overcome the steps. They are made from aluminium channel and are fitted with a non slip surface. They are lightweight and can easily be picked up and stored when not being used.

The ramps allow Heather to get into the house unaided and in safety and have made a significant difference to both Heather and her family

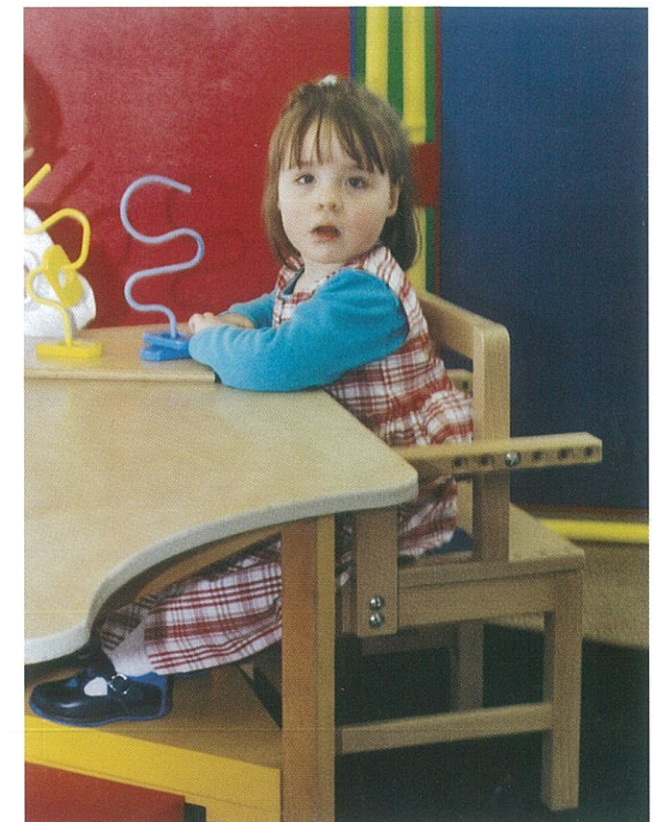


## Special Chairs for the St Albans Opportunity Class

The St Albans Opportunity Class encourages young children with special needs to enjoy group therapy and general education. Some activities are carried out around tables with the children sitting on standard school chairs. Unfortunately, due to their condition, some children are unable to sit on normal chairs safely. DEMAND have, in the past, been able to help the class overcome other problems. The teachers, therefore, came back to DEMAND for help.

Our designers visited the Opportunity Class and assessed the needs of those children who were unable to use the existing chairs. As the class is divided into small groups only two chairs were required. DEMAND designed and made two special chairs in beech. The seat depth and arms are adjustable and can be set to suit each of the children who need to use the chairs.

The teachers are delighted with the chairs, as all the children are now able to sit at the table as a group.



## A Toilet Frame for William

William is 8 years old. He lives at home in Bedmond, Herts. He has cerebral palsy. DEMAND designed and made a special toilet frame to allow him to use the school toilet independently and safely. His parents wanted to encourage this independence at home. As DEMAND had solved the problem for William at school his occupational therapist asked for our help.

Our designers visited William at home and carried out an assessment of his needs. DEMAND designed and made a height adjustable, rigid steel frame. The frame allows William to get on and off the toilet unaided. It has also been designed to allow other members of the family to use the toilet without hindrance. The frame is powder-coat painted to give it a tough scratch resistant finish.

The frame gives William a little more independence and dignity as he grows older.





## A Special Tricycle for Hanif

Hanif is 10 years old. He lives at home in South London. He has a rare condition called TAR syndrome. He has no arms and his hands have grown directly from his shoulders. He has little strength in his legs and needs to wear splints when walking. The splints are very uncomfortable and Hanif can only wear them for short periods, mostly at school. At home he walks on his knees, which is causing him severe damage. His mother and occupational therapist were concerned for his long term health and asked DEMAND to help.

Our designers visited Hanif at home to assess his needs. DEMAND designed and made him a special tricycle. It is small and compact so that it can be used indoors as well as out. The handle bars are set high and extended for him to reach. The saddle is shaped and positioned to allow him to scoot along as he is unable to pedal. The tricycle is finished in black with bright contemporary transfers to give it, as Hanif says, "Street Cred".

Hanif's mother and occupational therapist are very pleased with the solution, which overcomes their concerns and has made Hanif happy!



## A Shower/Commode Chair for June

June is 50 years old. She has an extreme spinal deformity and restricted growth. She has recently moved from an institutional hospital to new sheltered accommodation. When in the hospital, June's showering and toileting required the help of two carers. It was hoped that in her new accommodation she would be able to shower and toilet without this level of help. Unfortunately, the aids available were totally inadequate. Her occupational therapist asked DEMAND for help.

Our designers visited June and assessed her needs. A matrix was produced of June's body shape. Using plastic strips from the matrix our craftsmen carved a wooden forming tool. The tool was then used to vacuum form a plastic one piece shower and toileting seat. The seat was lined in soft foam for comfort and mounted on a steel frame fitted with lockable castors. A moulded footrest was also provided.

June and her carers are delighted with her chair which has given her some independence and dignity.



## Further developments for the Sailing Aid

RYA Sailability, a registered charity, promotes active participation in sailing by people with disabilities. The Charity is committed to increasing opportunities, variety and choice for people with disabilities in sailing throughout the UK.

They are aware that many disabled people would like to sail, but cannot do so because they lack upper body strength. In 1998 John Morley, Commodore of RYA Sailability at Rutland Water, asked DEMAND to help.

DEMAND designed and made a Sailing Aid which provides full control over the rudder and sails, through the use of a joystick. The Sailing Aid has two specialist marine batteries which power the motors that drive the rudder, the sail and the clutch mechanism.



The original prototype was designed for use in a Challenger II trimaran into which it can be installed, or removed from, the front cockpit in a few minutes.



The Challenger II trimaran is a very fast boat which is suitable for sailing on large areas of water such as those found at Rutland Water.

Following this success DEMAND are now developing a Sailing Aid for use in the Squib, a mono hulled sailing dinghy. This boat is very popular and is used extensively at RYA Sailability Centres including those based on smaller lakes and reservoirs.

The adaptation for use in a Squib aims to make it available to a greater number people with disabilities. As the Squib is capable of taking more than one crew member it is an ideal boat to encourage those with limited sailing experience who wish to enjoy the sport but are unable to sail single-handed.

The top picture shows a Squib on Rutland water and the picture on the left shows Bob in the cockpit and using the Sailing Aid.



## A Rollator for Sophie

Sophie is 38 years old. She lives at home with her husband and three children in Bracknell, Berks. A road accident, as a young girl, has left her severely disabled. She is able to walk, but only with the aid of a rollator. Unfortunately, her condition is deteriorating and Sophie now has little strength in her hands and arms and her gait has become wider and unsteady. She is no longer able to use a standard rollator. Sophie asked DEMAND for help.

Our designers visited Sophie and carried out an assessment of her needs. DEMAND designed and made her a special rollator. It is extra wide to accommodate her gait and to give more stability. A wheel centralising mechanism is fitted, operated from a lever on the handle bars, which when selected prevents deviation on uneven or sideways sloping surfaces. A brake is also fitted to prevent it running away on downward inclines. A seat is fitted so that Sophie can rest when she wishes. The rollator can be folded down to fit in a car.

The new rollator now allows Sophie to venture out independently and safely.



## Straddle Seat Changes for Nicky

Nicky is 34 years old. She has cerebral palsy and is severely physically handicapped. She cannot use her upper limbs and cannot speak. Nicky has her own flat in London Colney, Herts, where she lives alone, supported by visiting carers.

She spends most of her day in a wheelchair. As part of her therapy and as an alternative to her wheelchair she uses a mobile straddle seat which can be pushed by a carer. Nicky's physiotherapist thought that she would gain more benefit from the seat if she was able to scoot it herself. As DEMAND had successfully helped Nicky with a number of problems in the past her physiotherapist again asked for our help.



Our designers visited Nicky at home to assess her needs. DEMAND stripped her existing seat. The frame was rebuilt and reduced in height so that she was able to reach the floor allowing her to propel herself.

Nicky, her physiotherapist and her carers are delighted with the straddle seat.

## A Therapy Bench for Toby

Toby is 4 years old. He lives at home in Harpenden, Herts. He has cerebral palsy. He cannot walk or stand and although he does have some sitting ability he needs support. His physiotherapist and his mother formulated a series of home therapy exercises which will maintain and hopefully improve his physical capabilities. These involved stretching, bending, lying and balancing. To do this they needed a special therapy bench and came to DEMAND for help.

Our designers visited Toby at home and carried out an assessment of his needs. DEMAND designed and made for him a therapy bench. The bench is height adjustable via a hand wheel, positioned under the bench, which can be operated when both Toby and his mother are sitting on the bench. The bench frame is made from rigid, brightly painted steel tube and is fitted with a slatted wooden seat.

The therapy bench has proved a great success and Toby is now able to receive much needed therapy at home.



## A Chair/Bed for Miss Baker

Miss Baker is 54 years old. She lives at home in Sidcup, Kent, where she is supported by carers. She has ankylosing spondylitis. She cannot bend her knees, hips or back and is unable to maintain a full sitting position. She was spending most of her time confined to bed, resulting in a decline in her condition and general health. Her occupational therapist was unable to find a suitable chair/day bed which would allow Miss Baker to spend more time out of bed. Her occupational therapist came to DEMAND for help.

Our designers visited Miss Baker at home and carried out an assessment of her needs. DEMAND designed and made her a motorised chair/day bed. It has fully upholstered mattress and arms and a footrest. Using a simple handset Miss Baker can adjust it from a horizontal to a vertical position and can stop it at any angle in between. The back can be inclined separately to allow a partial sitting position to make interaction with friends and carers easier and for watching television and reading.

Both Miss Baker and her carers are pleased that she is no longer confined to her bed for most of the day.





## OTHER PROJECTS

### Special Floorsitter - Sally

Sally is 7. She lives at home in Abbots Langley, Herts. She has cerebral palsy. She uses a DEMAND Floorsitter. DEMAND added extra support.

### Bed Rails - David

David is 13. He has cerebral palsy. He lives at home in North London. He is very restless at night and is constantly falling out of bed. DEMAND made him a set of bed rails.

### Door Opening Device - Mrs. Williams

Mrs. Williams is 55. She lives at home in Wheathamstead. She is tetraplegic and uses a wheelchair. DEMAND designed and made her a door opening device for the patio door. She is now able to have access to her garden.

### Toilet Rails - Victoria

Victoria is 26. She has cerebral palsy. She has moved into her own flat where she will be fully supported by carers. DEMAND designed, made and fitted special toilet rails.

### Bed Safety Rail - Sylvia

Sylvia is an elderly resident in sheltered accommodation in Abbots Langley, Herts. She is mentally and physically disabled. DEMAND made her a set of bed safety rails.

### Chair - St Albans Opportunity Class

The St. Albans Opportunity Class is for young children with special needs to enjoy group therapy and general education. Some of the children have sitting difficulties. Following the success of the first chair DEMAND designed and made a second one.

### Standing Aid Modification for Donald

Donald is 55. He lives at home in North London. He has multiple sclerosis. He uses a wheelchair. In 1994 DEMAND designed and made him a standing frame. We have now modified the frame to meet his changing needs and also carried out its refurbishment.

### Toilet Aid - Mr James

Mr. James is 82. He lives at home, with his wife, in Chipperfield, Herts. He has had a number of strokes. He has problems using the toilet. DEMAND designed, made and fitted a toilet aid to his existing toilet.

### Bath Aid - Matt

Matt is 26. He lives at home in Boxmoor, Herts. He has severe cerebral palsy, pronounced scoliosis and a permanently dislocated hip. To allow his mother to bathe him safely and without strain DEMAND designed and made a special bath support.



### Bed Rails - Gary

Gary is 22. He lives in sheltered accommodation in Hemel Hempstead. He is severely physically and mentally handicapped. To prevent him falling out of bed DEMAND made him a set of bed rails.

### Walking Frame - Mr. Porter

Mr. Porter is 65. He lives at home in North London. He has polio. He uses a rollator type walking frame. DEMAND modified the wheels and hand grips to reduce the shock when used on rough surfaces.

### Toilet Aid Device - Mrs Price

Mrs Price is in her 80's. She lives in sheltered accommodation in Tring, Herts. She has severe arthritis and was unable to use the toilet flush. DEMAND designed, made and fitted a special handle to her toilet.

### Feeding Aid - Mrs. Craven

Mrs Craven is 70. She lives at home in North London. She has encephalitis and recently had a stroke. She is very independent. DEMAND designed, made and fitted a device to her wheelchair which supports her arm allowing her to feed herself.

### Toilet Frame - Abbots Langley School

Abbots Langley School, a mainstream school, has some children with cerebral palsy. DEMAND designed and made a toilet frame to allow these children to use the toilet independently.

### Bib - Janet

Janet is 24. She has Rett Syndrome. She lives in sheltered accommodation, but spends weekends at home. She has little control over her actions and meals are a particular problem. DEMAND made her a special moulded plastic, wipe clean bib.

### Shower Step - Mr Brodie

Mr Brodie is 74. He lives at home in Sarat, Herts. He has an undiagnosed gradual paralysis of his legs. He cannot get in and out of his shower. DEMAND designed and made him a special corner step.

### A Standing Aid for Victor

Victor is 54 years old. He is paralysed on his right side and his right leg is amputated above the knee. He cannot walk or stand and uses a wheelchair. A carer visits every day to wash and dress him. DEMAND designed and made a special support to allow him to pull himself out of his wheelchair and stand while his carer washes and dresses him.

### Folding Changing Table - Anne

Anne is 7. She has cerebral palsy. She lives with her parents in Earls Court, London. She cannot walk, stand or sit unsupported. In 1998 DEMAND designed and made her a large padded changing table which can be folded away when not in use. DEMAND have refurbished and modified it to meet Anne's changed needs.

### Special Walking Aid for John

John is 30 years old. John was involved in a motorcycle accident and is now unable to walk without the use of a walking stick. He is also incontinent. DEMAND made him a lightweight hollow walking stick. The top can be unscrewed to allow him to store a daily supply of catheter tubes inside.

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 and Fundraising Manager  
Sandra Farr, Administration  
Brian McGirr, Designer  
Paul Malloy, Designer and Craftsman  
Charles Knee, Craftsman  
Kelvin Scott, Craftsman  
Gordon Tapping, Craftsman  
Anthony Tribe, Craftsman  
Geoffrey Stead, Mountbatten Craftsman 2001



### A Special Chair for Barbara

Barbara is 40 years old. She is severely physically and mentally disabled. She lives in sheltered accommodation in Hemel Hempstead, Hertfordshire. DEMAND designed and made a seat insert to support her firmly and in comfort and safety.

### Bib - Geraldine

Geraldine lives in Ravenswood, sheltered accommodation. She has cerebral palsy. To protect her clothes at meal times DEMAND made her a special moulded plastic bib.

## Project Committee

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



## The London Guildhall University

Each year DEMAND awards prizes to students from the London Guildhall University for outstanding achievement and innovative design whilst working for their MA on the "Design Research for Disability" course.

First prize for this year was awarded to Helen Allen for her project, "Transportable Supportive Seating for Children with Cerebral Palsy". The resulting design took the form of an adjustable supportive chair which folded into itself taking the shape of an aircraft cabin case complete with wheels and a telescopic handle.



Second prize was awarded to Maggie Conway for her dissertation on "Investigation into Development, Design and Ergonomic Suitability of the Mobile Hoist as a Transfer Aid within both Domestic and Institutional settings".

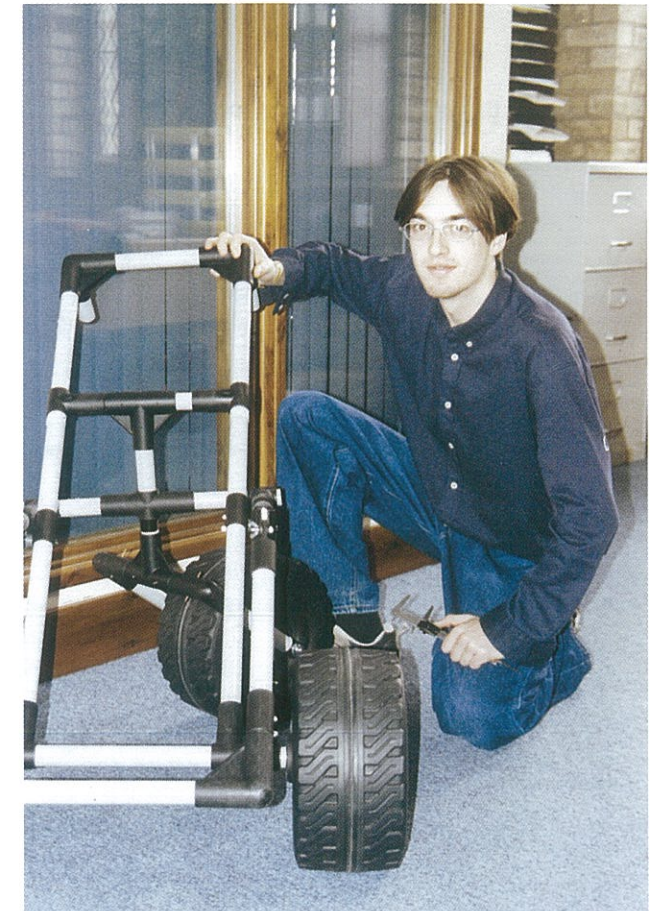


## Student Support

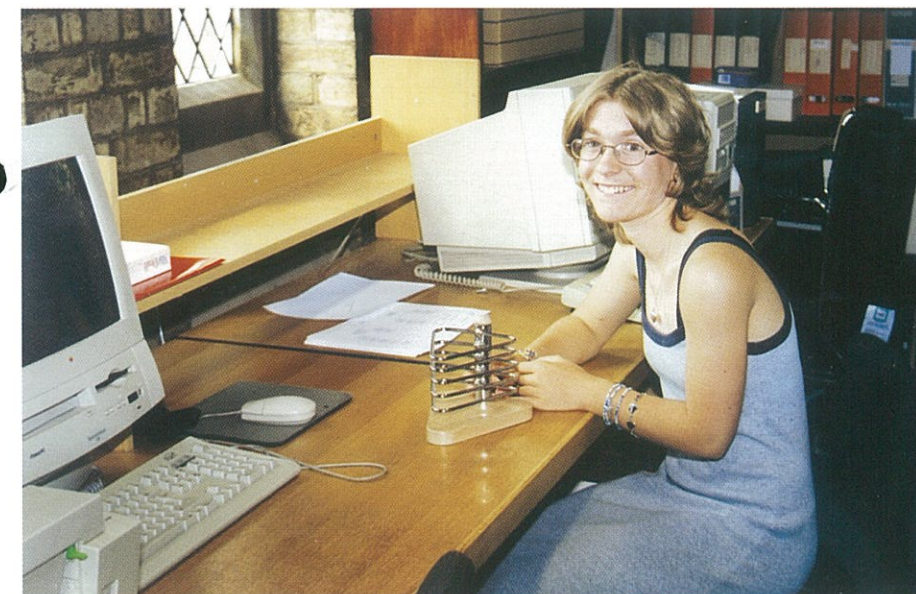
DEMAND encourages design students to be aware of the needs of disabled people. Over a number of years students from Brunel, Southbank, Trent and De Montfort Universities have all completed work placements at DEMAND as part of their degree course.

Matthew Carlon, a third year student at De Montfort University, Leicester, reading Industrial Design (Eng), was awarded a placement for the year 2000/2001. During his placement he has designed and built a lightweight three wheeled beach buggy for young wheelchair users. The buggy is made from standard reinforced fibreglass tube and moulded plastic fittings. The seat is a hard wearing deck chair fabric. It has wide, lightweight, plastic wheels which allow it to be wheeled on soft sand without sinking. The wheels can be removed and the buggy folded down to fit in the boot of a car. Matthew has also designed and made a device to help a wheelchair user reach and replace books from high shelves.

His placement has encouraged Matthew to consider the needs of people with disabilities in his designs and it is certain that he will take this consideration with him through his future career.



## Work experience for Jennifer



DEMAND gave three weeks work experience to Jennifer, a pupil at The Royal Masonic School for Girls, Rickmansworth, Herts.

She visited clients on assessments and sat in on design review meetings.

With the help of our designers Jennifer was given the opportunity to design a small project of her own and our craftsmen supervised her practical work when using some of the machines in our workshops to make it.

Jennifer was delighted with her experience at DEMAND which helped her understand that the desires and aspirations of people with special needs should always be considered in any design.



## DEMAND

Design and Manufacture for Disability

### Income and Expenditure Account for the year ended 31 December 2000

GENERAL FUND	2000 £	1999 £
<b>INCOME</b>		
Donations	191,137	205,335
Untaxed Interest	11,794	9,131
Royalties	686	1,080
Income Tax recoverable	1,564	5,673
Sales	28,284	28,562
	<u>233,465</u>	<u>249,781</u>
<b>EXPENDITURE</b>		
Cost of Sales	10,089	12,728
Student support	5,111	3,471
Staff costs	156,734	162,383
Professional fees	2,850	2,850
Workshop and design expenses	26,105	33,308
Administration expenses	15,420	14,176
Depreciation and Amortization	16,600	5,821
	<u>232,909</u>	<u>234,737</u>
<b>SURPLUS (DEFICIT) FOR THE FINANCIAL YEAR</b>	<u>556</u>	<u>15044</u>
<b>OTHER FUNDS</b>	<b>2000</b>	<b>1999</b>
<b>Building Fund</b>		
Income	40,000	43,975
Expenses*		
<b>Workshop and design salaries</b>		
Income	35,000	20,000
Expenses*	(35,000)	(20,000)
<b>Paddy Renton Fund</b>		
Income	-	-
Expenses	(575)	(92)
<b>SURPLUS (DEFICIT) FOR THE FINANCIAL YEAR</b>	<u>39,425 *</u>	<u>43,883*</u>

\* Resources expended for the year do not take into account the capital expenditure on the new premises. This capital expenditure represents a long term resource of the charity with an ongoing value. The total income from the Building Fund has been expended and appears as a fixed asset in the balance sheet.

### Balance Sheet as at 31st December 2000

	2000 £	1999 £
<b>FIXED ASSETS</b>		
Tangible Assets	514,396	523,140
<b>CURRENT ASSETS</b>		
Stock	10,929	6,099
Debtors	11,419	13,402
Cash at bank and in hand	249,356	217,060
	<u>271,704</u>	<u>236,561</u>
<b>CREDITORS</b>	<u>(30,625)</u>	<u>(44,207)</u>
<b>NET CURRENT ASSETS</b>	<u>241,079</u>	<u>192,354</u>
<b>TOTAL ASSETS LESS CURRENT LIABILITIES</b>	<u>755,475</u>	<u>715,494</u>
<b>RESERVES</b>		
Other Funds		
Paddy Renton Fund	9,378	9,953
Building Fund	513,308	473,308
<b>General Fund</b>	<u>232,789</u>	<u>232,233</u>
	<u>755,475</u>	<u>715,494</u>

These financial statements are not the company's statutory accounts, which have been finalised and reported on by the auditors under section 235 Companies Act 1985. The auditors' report contained no qualification. The financial statements contain details of the company's affairs at 31 December 1999 and of the excess of income over expenditure for the year ending on that date presented in the same format as previously used. Statutory accounts for the year ending 31 December 2000 have been delivered to the Registrar of Companies and the Charity Commissioners.

  
Hon Treasurer/Director  
D H R Smith

Full Accounts which have been audited by Herbert Pepper and Rudland are available on request from the Company Secretary.

## WAYS OF HELPING DEMAND

**There are many opportunities for giving your support to our work in aid of children and adults with disabilities.**

### BY CHEQUE OR CREDIT CARD

Please send your donation, no matter how small, to DEMAND. Please use the reply slip below to make your gift.

### BY GIFT AID - COMPANIES

The company donates the gross amount and claims tax relief when calculating its profits for corporation tax

### BY GIFT AID - INDIVIDUALS

This gift, made net of basic rate tax, together with a Gift Aid Declaration, will allow DEMAND to claim repayment of the tax from the Inland Revenue. Higher rate taxpayers can claim additional tax relief at 18 per cent via their tax return. A gift of £312 only costs you £240, but DEMAND receives £400 in total.

### BY A DEED OF COVENANT

A promise to pay a specified sum over an agreed period of at least four years. DEMAND can recover tax at the basic rate on your covenant, provided that you are a tax payer. You may wish to make an annual payment, or prefer to spread your contribution on a quarterly or monthly basis.

### BY GIVE AS YOU EARN

If your employer operates a payroll giving scheme, you can arrange with them to deduct a regular gift from your gross pay in favour of DEMAND. This is a tax efficient way of giving. Our registration number is 000000389.

### BY A LEGACY

Leaving a bequest to DEMAND. Why not remember us through your will?

### BY A SPECIAL GIFT

You may wish to give for a specific project. We would be only too pleased to discuss this with you.

to: DEMAND  
Design and Manufacture for Disability  
FREEPOST SB408  
ABBOTS LANGLEY  
Herts  
WD5 0WD

Please send a Gift Aid Declaration form ☐

Please send me information on making a will ☐

I wish to donate by credit card/CAF Charity Card. Please debit my Visa/Access/Charity Card for the sum of:-

£ \_\_\_\_\_ ( \_\_\_\_\_ )

My card No is:

Expiry date

Name.....

Address.....

..... Postcode.....

Signature.....

Date...../...../.....



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