

AD-A097 637

BRITISH SHIP RESEARCH ASSOCIATION WALLSEND (ENGLAND) --ETC F/8 5/2
JOURNAL OF THE BRITISH SHIP RESEARCH ASSOCIATION. INDEX TO VOLUME--ETC (U)
1979

UNCLASSIFIED

ML

1 of 2

80 pages



LEVEL III

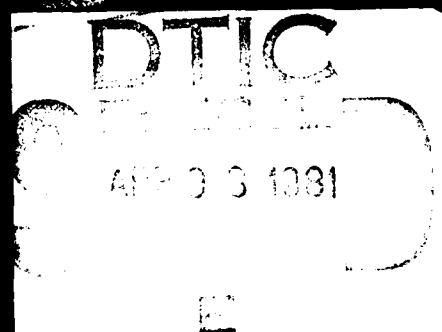
①



JOURNAL of the
British Ship Research Association.

AD A 097 637

DTIC FILE



ABSTRACTS NO.
49,883—52,042



JOURNAL OF ABSTRACTS

INDEX TO VOLUME 34

1979

SUBJECT INDEX

NOTE-THE REFERENCES ARE TO ABSTRACT NUMBERS

A

ABRASIVE MACHINING	50488
ACCELEROMETER:	
THREE-AXIS	50921
ACCIDENTS:	
POLLUTION PROBLEMS:	51678
ACCOMMODATION:	
DESIGN CHECKLIST	51880
IN NAVAL VESSELS	50622
VOLUMETRIC MODULAR SYSTEM	49945
ACCOMMODATION SPACE MODELS:	50149
ACCOMMODATION SPACES:	
FIRE DETECTION AND PREVENTION.	50577, 50578
IN CARGO VESSELS	50065
ACOUSTIC ENCLOSURES.	50728
ACOUSTIC VALVE LEAK DETECTOR (AVLD)	51450
ACOUSTICAL PROPERTIES:	
OF FLOATING-FLOOR CONSTRUCTIONS	50563
ADDED MASS:	51932
ADDED MASS COEFFICIENTS:	51935
ADHESIVES:	
PETROLEUM-BASED.	51736
AEROFOILS:	
WELD-REPAIRED AND COATED GAS-TURBINE.	51982
AFTERBODIES:	
SEPARATION PHENOMENA AT FULL-FORM	51359
AFTERBODY FORM:	
OF PUSHER TUGS	51162
AIR CUSHIONS IN SHIPBUILDING:	51949
AIR FLOW:	
NOMOGRAPH	50701
AIR FLOWS:	
OVER OFFSHORE PLATFORMS	51319
AIR QUALITY ON TANKER:	52033
ALIGNMENT:	
OPTICAL SYSTEM AND LASER	51211
PIPE-FITTING	51212
ALTERNATORS:	
DIESEL	50607, 51150, 51509
ALUMINIUM:	
SHORE GANGWAYS:.	51571

ALUMINIUM:-CONTINUED							
WELDED STRUCTURES	.	.	.	.	.	.	50823
WIRE SPRAY METALLISING.	.	.	.	.	.	.	51658
ALUMINIUM BRONZES:							
FOR MARINE SERVICE	.	.	.	.	.	.	50982
ALUMINIUM HULLS:	.	.	.	.	.	.	50514
ALUMINIUM LNG SPHERES:	.	.	.	.	.	.	51416
ALUMINIUM PISTONS:							
OXY-HARDENING OF	.	.	.	.	.	.	51790
ALUMINIUM PLATE:							
ONE-SIDE WELDING OF	.	.	.	.	.	.	51417
ANCHOR CHAINS:							
RELIABILITY OF	.	.	.	.	.	.	50935
ANCHORS:							
BRUCE HIGH HOLDING-POWER	.	.	.	.	.	.	51865
CABLE LENGTH	.	.	.	.	.	.	51836
DYNAMIC HOLDING CAPABILITY CHARACTERISTICS	.	.	.	.	.	.	51475
ENGINEERING INDEX DATABASE	.	.	.	.	.	50571,	50573
NTIS DATABASE	.	.	.	.	.	50570,	50572
SOIL MECHANICS CONCEPTS	.	.	.	.	.	.	50934
THERMAL ENERGY CONVERSION	.	.	.	.	.	.	51857
UPLIFT-RESISTING	.	.	.	.	.	.	51856
ANEMOMETERS:							
LASER-DOPPLER	.	.	.	.	.	.	50315
ANODES:							
CORROSION OF	.	.	.	.	.	.	50712
PERFORMANCE TESTING	.	.	.	.	.	.	50365
ANTENNA SYSTEMS:							
FOR HF-SSB RADIO COMMUNICATION	.	.	.	.	.	.	50397
IN SHIP DESIGN	.	.	.	.	.	50704,	51670
ANTENNAS:							
ELECTRIC FIELDS.	.	.	.	.	.	.	51105
ELECTROMAGNETIC COUPLING PROPERTIES	.	.	.	.	.	.	50753
ANTI-HEELING DEVICE:							
AND STABILISER COMBINED	.	.	.	.	.	.	51346
ANTI-FOULING COATINGS:							
TRIBUTYL TIN FLUORIDE	.	.	.	.	.	.	51257
AQUATIC ANIMAL LOCOMOTION:.	.	.	.	.	.	.	51721
ARCTIC:							
WESTERN, PROJECTED COMMERCIAL MARITIME ACTIVITY IN.	.	.	.	.	.	.	50356
ARCTIC MARINE TRANSPORTATION TECHNOLOGY:.	.	.	.	.	.	.	50968
ARCTIC WATER:							
CORROSION AND CORROSION PROTECTION IN	.	.	.	.	.	.	50366
ASBESTOS:							
DUST MEASUREMENT	.	.	.	.	.	.	51738
ASBESTOS COATINGS:							
HEALTH HAZARDS	.	.	.	.	.	.	51731
ASBESTOS DUST INHALATION:	.	.	.	.	.	.	51954
ATTITUDE ESTIMATION:	.	.	.	.	.	.	52022
AUTOKON:							
AUTOBASE	.	.	.	.	.	.	51021
AUTOMATIC CONTROL:							
IN DESTROYERS	.	.	.	.	.	.	50352
OF SHIP DECELERATION	.	.	.	.	.	.	50351
AUTOMATION:							
AND SHIP SAFETY.	.	.	.	.	.	.	50026
COMPONENT TOLERANCES	.	.	.	.	.	.	50187
HUMAN FACTORS IN	.	.	.	.	.	.	52023

AUTOMATION:-CONTINUED

OF BENDING	51017
OF ENGINE ROOMS	51244, 51640
OF REFRIGERATING SYSTEMS	50553
PIPELAYER "CASTORO SEI"	49999
STATISTICAL ANALYSIS OF MAINTENANCE AND REPAIR DATA	50529
TILINER LONG-LINE FISHING SYSTEM	51060
AUTOPILOTS:	
ADAPTIVE DIGITAL	51052
AUTOPILOTS FOR TANKERS:	52019

B

BABBIT METAL:

BONDING TO STEEL	50987
BALLAST SYSTEMS:	51635
IN SPECIALIST SHIPS	51800
BALLAST WATER/OIL SEPARATION SYSTEM:	51835

BEAMS:

BENDING:	
MODELLING OF	51210
CONTINUOUS:	
PRESTRESS ANALYSIS	51707

BEARINGS:

AIR:	
FOR PIERSIDE LOADING RAMPS	51076

BALL:

ACOUSTIC ANALYSIS OF	50011
----------------------	-------

JOURNAL:

STIFFNESS CHARACTERISTICS OF	50342
LOAD AS DIAGNOSTIC FACTOR	50541
PLAIN JOURNAL:	
STABILITY AND DESIGN DATA	51227

PROPELLER:

ESTIMATION OF FORCES	51388
----------------------	-------

PROPELLER-SHAFT:

THORDON ELASTOMERIC	51996
---------------------	-------

ROLLER:

CONDITION MONITORING	50721
----------------------	-------

STERN-TUBE:

NEW CONCEPTS	51812
WHITE-METAL-LINED	51728
TURNBULL MARK 1 SPLIT	50170
WEAR OF	50639

BECKER FLAPPED STREAMLINED RUDDER.

BENDING:

AUTOMATION	51017
FRAMES:	

COMPUTER CONTROL	50858
IMPROVED PROGRAM	51026

OF PIPES

	50450
--	-------

PLATE:

MULTIPLE-PUNCH	50689
----------------	-------

SHIP FRAMES

	51017, 51018
--	--------------

BENDING MOMENT:

MIDSHIPS	50655
WAVE-INDUCED	50655, 51936

BENDING OF BEAMS:

MODELLING OF	51210
--------------	-------

Accession For		
NTIS GRA&I	☒	50342
DTIC TAB	☐	50541
Unannounced	☐	51227
Justification		
By		51996
Distribution/		50721
Availability Codes		
	and/or	51812
Dist	Final	51728
		50170
		50639
		50474
A		51017
		50858
		51026
		50450

[illegible]

BOUNDARY LAYERS:		
AND WAKES		51368
CROSS FLOW IN		51378
IRROTATIONAL FLOWS		50103
OVER BLUNT-NOSED BODIES		50470
THREE-DIMENSIONAL LAMINAR AND TURBULENT:		51583
TURBULENT		51375
BOW BULBS:		
EFFECT ON HYDRODYNAMIC PROPERTIES		50845
BOW-SHAPE INFLUENCE:		
ON CALM-WATER RESISTANCE OF FULL SHIP FORM		51406
BOW STABILISING FOIL:		
AND HULL HYDRODYNAMIC INTERACTION		49929
BOW THRUSTER:		
MODEL TESTS ON		51405
BOW THRUSTERS:		49893
BECKER		50871
MARKET FOR		50871
ORENSTEIN & KOPPEL "K" JET		50871
SCHOTTEL "ANTI-SUCTION TUNNEL"		50871
BOW TRIM:		
OF FULL SHIP FORMS		51203
BOWS:		
AIRCRAFT-CARRIER CONFIGURATIONS		50293
BULBOUS:		
LOW-RESISTANCE HULL FORM		51712
BOUNDARY-LAYER FLOW PAST		51366
DESIGN OF		50304
SLENDER SHIPS:		51592
BRAKE WHEEL:		
CONCEPT OF		50872
MODEL TESTS ON		50872
BRAKING:		
DYNAMIC		50351
BRAKING EFFECT:		
OF GRIDS		50650
BREAKWATERS:		
FLOATING		50410
BREATHING-AIR SYSTEMS:		
FOR CONFINED ENCLOSED SPACES		51273
BRIDGES:		
ATLANTIC-RHEDEREI DESIGN	50391,	50392
DYNAMIC SIMULATION		51095
ERGONOMIC DESIGN FACTORS		52030
ERGONOMICS AND CONTROL DESIGN		51245
ERGONOMICS DESIGN		51884
FUNCTIONAL DESIGN		51886
LAYOUT EVALUATION		51883
LIGHTING REQUIREMENTS		50394
"ONE-MAN CONTROL" LAYOUT		51885
OPTIMAL DESIGN		51882
VIBRATION LEVELS		50199
BRITISH COLUMBIA:		
FOREST INDUSTRY OF		50895
BRITTLE LACQUER TECHNIQUE:		51182
BROWS:		
LAYOUT AND DESIGN OF FLOATING		51321

BUCKLING:						
OF SINGLE STIFFENER MODEL	.	.	.	.	.	51893
OF STIFFENED CYLINDRICAL SHELLS	.	.	.	.	.	51493
OF STRUTS	.	.	.	.	.	50830
BUCKLING ANALYSIS:						
OF RECTANGULAR SHIP PLATING	.	.	.	.	.	51338
BUCKLING STRENGTH:						
OF SHIP'S BOTTOM PLATING	.	.	.	.	.	51894
OF STEEL OFFSHORE STRUCTURES	.	.	.	.	.	51491
BULKHEAD PIECES:						
DUCTILE IRON:	.	.	.	.	.	51570
BULKHEADS:						
LONGITUDINAL:						
IN TANKERS	.	.	.	.	.	51174
BUOYS:						
WAVE MEASUREMENT	.	.	.	.	.	50926
BURNERS:						
LOW EXCESS-AIR HIGH-PERFORMANCE	.	.	.	.	.	50697
BURNING CHARACTERISTICS:						
OF NON-METALLIC MATERIALS	.	.	.	.	.	49911

C

CABLE INSTALLATIONS:						
COST ESTIMATION.	.	.	.	.	.	51050
CABLE MOTIONS:						
SUSPENDED FROM FLOATING STRUCTURE	.	.	.	.	.	50317
CABLE ROUTES:						
COMPUTER-AIDED DESIGN	.	.	.	.	.	50876
CABLES:						
ANCHOR CHAIN	.	.	.	.	.	51836
UNDERSEA:						
STRESSES IN.	.	.	.	.	.	50775
CAEADS (COMPUTER-AIDED ENGINEERING AND ARCHITECTURAL DESIGN SYSTEM):	.	.	.	.	.	50834
CAPTURED AIR BUBBLE:						
TWO-DIMENSIONAL.	.	.	.	.	.	50996
CARGO HANDLING:						
AND HULL STRENGTH	.	.	.	.	.	50208
FOREST PRODUCTS.	.	.	.	.	.	50896
IRON ORE:	.	.	.	.	.	51662
OF UNITISED CARGO	.	.	.	.	.	51270
ON ROLL-ON/ROLL-OFF VESSELS	.	.	.	.	.	52010
ON SUBMERSIBLE BARGES	.	.	.	.	.	52011
ON TANKERS	.	.	.	.	.	50209
ORES:	.	.	.	.	.	51662
ROLL-ON/ROLL-OFF	.	.	.	.	.	51664
ROLL-ON/ROLL-OFF OPERATIONS	.	.	.	.	.	50899
SLURRIED WOODCHIPS	.	.	.	.	.	50900
CARGO-HANDLING EQUIPMENT:						
ABOVE HATCH VERTICAL MATERIAL HANDLING SUBSYSTEMS	.	.	.	.	.	50740
BELOW HATCH VERTICAL MATERIAL HANDLING SUBSYSTEMS	.	.	.	.	.	50739
CONVEYOR-TYPE SELF-UNLOADING	.	.	.	.	.	50734
FOR DRY-CARGO VESSELS	.	.	.	.	.	50568
TRAVASCREW UNLOADING SYSTEM	.	.	.	.	.	50901
CARGO-HANDLING GEAR:						
PUMPS:	.	.	.	.	.	51667
SHIPBORNE	.	.	.	.	.	50387

CARGO TRANSFER SYSTEM:	
RAUREP MK. II	51696
CARGOES:	
BREAK-BULK:	51661
BULK:	
DRY:	51662
ECONOMICS OF:	51666
SELF-UNLOADING	50734
CONTROL SYSTEM IN TANKERS	51472
DRY:	
TRANSPORT TO 1990:	51665
ECONOMIC EFFICIENCY OF:	51663
ECONOMICS:	51515
FLOATING	52011
FOREST PRODUCTS.	50896, 50897
IMPORTS TO MIDDLE EASTERN OIL-EXPORTING COUNTRIES	51072, 51073, 51074
IRON ORE:	51662
LNG:	51268, 51272, 51662, 51669
ARCTIC PROJECT	51077
LNG SIMULATOR	51079
LOGS:	50895
LPG:	51268, 51662
ORE:	51662
PERISHABLE	50729, 50730, 50731
RAIL CAR STOWAGE AND SECURING.	50207
ROLL-ON/ROLL OFF:	51664
SLURRY FORM:	50903
STEEL COILS	50206
TRAILER STOWAGE AND SECURING	50207
TRANSFER-AT-SEA.	50733
UNITISED	51270
ZINC CONCENTRATES	51686
CAST IRON:	
DUCTILE:	
BULKHEAD PIECES:	51570
CAST-IRON PISTON RINGS:	50165
CASTING:	
CENTRIFUGAL:	
WHITE METAL	51728
CONTINUOUS:	
AND CORROSION BEHAVIOUR	50928
CATERING AREA:	
LAYOUT AND EQUIPMENT OF	50249
CATHODIC POLARIZATION:	
EFFECT ON FATIGUE OF NOTCHED STRUCTURAL STEEL IN SEA WATER	51061
CATHODIC PROTECTION:	
AUTOMATICALLY-CONTROLLED IMPRESSED-CURRENT	50378
EFFECTS ON HULL TIMBERS IN SMALL CRAFT	50383
IN ARCTIC WATER.	50366
IN CARGO TANKS:	51653
MONITORING	50535
OF OFFSHORE LOADING PLATFORMS.	50778
CAVITATION:	
AND PROPELLER DESIGN:	51584
BUBBLE GROWTH DYNAMICS.	49916
COMPUTER PROGRAMS	51350
C.P. PROPELLERS.	50676

CAVITATION:-CONTINUED	
EROSION:	51576
NOISE:	51576
EXCITATION FORCES AND AFTERBODY VIBRATIONS INDUCED BY	51264
IN INCLINED FLOW	50476
INCEPTION CONDITIONS	49916
MAU TYPE PROPELLERS	49930, 49931
SCALING	51364
CAVITATION CORROSION:	
BIBLIOGRAPHY	50889
CAVITATION EROSION:	
BIBLIOGRAPHY	50889
RESEARCH ON	49916
CAVITATION NOISE:	
RESEARCH ON	49916
CELLULAR STRUCTURES ANALYSIS:	50635
CEMENT-HANDLING SYSTEM:	
OFFSHORE	50035
CENTRE OF GRAVITY:	
UNCERTAINTIES IN	50477
CERAMICS:	
BACKING STRIPS	50862
FOR GAS TURBINES	51984
GAS-TURBINE DEVELOPMENT	50873
CHAINS:	
ANCHOR:	
RELIABILITY OF	50935
CHEMICAL INDUSTRIES:	
HAZARD AND OPERABILITY STUDIES IN	51213
CHEMICALS:	
SPILLAGE HAZARDS	50021
CHRISTCHURCH BAY:	
WAVE FORCE EXPERIMENTS.	51295, 51296
CHWARISMI SYSTEM:	
FOR SHIP DESIGN.	51533
CLAD PLATE STRUCTURES:	
WELDING OF	50462
CLAD PLATES:	
FOR TANKS	51173
CLAD STEELS:	
FOR CHEMICAL TANKS	50464
CLADDING:	
OF COPPER-NICKEL ALLOYS FOR HULLS	50461
CLASSIFICATION SOCIETIES:	
STRUCTURAL INTEGRITY REQUIREMENTS	50024
CLEANING:	
BLAST:	
REVIEW OF	50711
WATER/ABRASIVE	50370
CHEMICAL:	
OF BOILERS	50371
OF BOILERS	49961
OF FLOORS OF DRY DOCKS.	51824
OF HULLS:	50319
UNDERWATER	51999
OF OIL RIGS	50369
OF TANKS:	51479, 51480, 51672
WATER TECHNIQUES:	51657

CLUTCHES:		
SSS DIRECT-DRIVE:		51611
COAL:		
SYNTHETIC FUELS DERIVED FROM		50493
COAMING-REINFORCED OPENINGS:		
STRESS CALCULATION FOR		51186
COASTAL STRUCTURES:		
LOAD DETERMINATION ON		50595
COATING THICKNESS MEASUREMENTS:		
AND ROUGHNESS PROFILE		51258
COATINGS:		
ANTIFOULING:	50924,	51456
ORGANO-TIN BASE		51827
TRIBUTYL TIN FLUORIDE		51257
ASBESTOS:		
HEALTH HAZARDS		51731
COAL TAR EPOXY		52003
COMPUTERISED CONTROL:		51647
COST FACTORS:		51646
DEVELOPMENTS IN		50560
FOR TANKS:		
ELECTRICAL PROPERTIES OF		50561
HULL:		
ABRASION-RESISTANT LOW FRICTION		50924
FOR ICEBREAKERS		51720
POLYURETHANE		51720
INORGANIC ZINC		52003
MATERIAL FLOW		50710
POLYAMIDE EPOXY		52003
SELECTION OF HIGH-DUTY, LOW-DUTY, AND INTERMEDIATE:		51648
SERVICE LIFE PERFORMANCE		52003
SHIP-BOTTOM:		
INERTA 160		51457
SPRAYED:		
FOR PISTON RINGS		51049
TAR-PITCH EPOXY RESIN		52004
'COLLAPSE' LOAD:		
OF SHIP PLATE		51176
COLLISION AVOIDANCE:		
AND MANOEUVRABILITY		50032
BY MANOEUVRING		50031
COLLISION AVOIDANCE SYSTEMS:		51106
BIBLIOGRAPHY		50574
COLLISIONS:		
ACCELERATIONS CAUSED BY	50212,	50213
BETWEEN SHIPS AND OFFSHORE PLATFORMS		50583
CHARACTERISTICS STUDY		50750
DAMAGE FROM		50625
DOUBLE-HULL STRUCTURES IN		50829
EFFECTS STUDY		50751
ENERGY ABSORPTION CAPACITY		50083
MODEL TESTS:		51101
OF TANKERS		52034
POLLUTION PROBLEMS:		51678
SAFETY PRECAUTIONS		50019
SIMULATION OF MODEL TESTS		50257
TASK ANALYSIS	50747,	50748

COMBUSTION:	
FLUIDISED BED	49959, 49960, 51968
GAS-TURBINE	51429
IN MEDIUM-SPEED DIESEL ENGINES	49992
LOW EXCESS-AIR HIGH-PERFORMANCE	50697
COMBUSTION CHAMBERS:	
BORE-COOLING	49956
COMMUNICATIONS:	
IN SHIPYARDS	51206
COMPOSITE MATERIALS:	
ANTI-FOULING GLASS-REINFORCED.	51256
COMPRESSION MEMBERS:	
STEEL:	
STABILITY OF	51706
COMPRESSIVE STRENGTH:	
OF STIFFENED PLATES	50073
COMPRESSORS:	
MATERIALS AND COATINGS.	51983
ROTARY MECHANISMS FOR HIGH-PRESSURE	51038
COMPUTER-AIDED DESIGN - SEE DESIGN	
COMPUTER-AIDED OPERATIONS RESEARCH FACILITY:	
(CAORF) SYMPOSIUM	51106
COMPUTER ANALYSIS:	
REVIEW OF	50549
COMPUTER GRAPHICS:	
IN SHIP DESIGN:.	51526
COMPUTER PROGRAMS:	
ABS	51183
ASKA, FOR STRUCTURAL ANALYSIS.	50626
CARGO, FOR SEAKEEPING ANALYSIS	49915
CAVITATION	51350
CHRIS, FOR HAZARD ASSESSMENT	50021
CONTAINERSHIP LOADING	51075
DESCRIBE FOR PERFORMANCE AND DESIGN CHARACTERISTICS	49899
EDISIM	50875
FOR BULKCARRIER PRELIMINARY DESIGN:	51530
FOR CUTTING MACHINES:	51604
FOR ELECTRIC-POWER PLANT DATA ANALYSIS	50182
FRAME BENDING	51026
GESTA, FOR LAUNCHING CALCULATIONS	49938
HEDOBELA, FOR LAUNCHING CALCULATIONS.	49938
HELO ('HEAVY LIFT OPERABILITY')	50406
MDAS/4, FOR SIMULATION OF CONTINUOUS SYSTEMS	50001
MOORING	50774
PHSS PROGRAM FOR SHIP PITCH, HEAVE, AND SEAKEEPING PREDICTION	50117
PROPELLER DESIGN	50653
PROPULSION SHAFT BEARING REACTIONS	51037
ROSAS, FOR STRUCTURAL SEAWORTHINESS	51563
SCHLDRO, FOR LAUNCHING CALCULATIONS	49938
SCORES, FOR SEAKEEPING ANALYSIS	49915
SCORES THEORY FOR MODEL TESTS.	49914
SHIP-MOTION PREDICTION.	50851
SKEWOPT PROPELLER SKEW OPTIMISATION	51907
STALAEFE, FOR LAUNCHING CALCULATIONS.	49938
STAPLAUF, FOR LAUNCHING CALCUALTIONS.	49938
SYNMOD 1, FOR VIBRATION ANALYSIS	50626
TAPSS, FOR PROPULSION SYSTEMS FOR SUBMERSIBLES	50168
TURBOMACHINERY BLADE DESIGN	50496

COMPUTER SIMULATION:		
OF CONTINUOUS SYSTEMS		50001
ON CONTAINER SHIP SL-7.		49914
COMPUTER SOFTWARE:		
RELIABILITY OF, MODELS FOR		51208
COMPUTERS:		
CABLE-ROUTE DESIGN		50876
COATING CONTROL:		51647
FRAME-BENDER CONTROL		50858
IN HULL SURFACE DESIGN:		51525
IN HYDRODYNAMIC DESIGN:		51582
IN SHIP DESIGN:	51520, 51522, 51523, 51533, 51534,	51543
IN STRUCTURAL ANALYSIS:		51553
IN WEIGHT ENGINEERING		50439
MICROCOMPUTERS:		
FOR HYDRO-GRAPHIC DATA COLLECTION		50414
PLANAR MOTION CARRIAGE.		50846
PRODUCTION PLANNING AND CONTROL		50136
SIMULATION OF DYNAMIC PROCESSES IN COMPLEX PROPULSION PLANTS		51998
CONCRETE:		
CORROSION OF PRESTRESSED		50930
OFFSHORE STRUCTURES		50929
PLACEMENT IN OCEAN		50765
PRESTRESSED:		
FOR LNG OR LPG STORAGE		50284
HULLS		50977
STORAGE/PROCESSING VESSELS		50825
CONCRETE BARGES:		51892
CONCRETE CYLINDRICAL HULLS:		
UNDER HYDROSTATIC LOADING		50983
CONCRETE HULLS:		
PROGRESS REPORT.		50624
CONCRETE SHIPS:		
BARGES		50286
CHARACTERISTICS, FACTORS AND DESIGN CRITERIA		50275
CLASSIFICATION OF		50288
CONFERENCE ON	50271 TO	50290
DESIGN CONSIDERATIONS AND CONFIGURATIONS		50279
DESIGN LOADS AND DESIGN CRITERIA		50287
DURABILITY OF		50280
FATIGUE CONSIDERATIONS.		50283
HULL SIZE OPTIMIZATION.		50289
MATERIALS FOR		50281
NAVAL ARCHITECTURE CONSIDERATIONS		50272
OWNER AND OPERATOR REQUIREMENTS AND APPLICATIONS		50271
SHEAR CONSIDERATIONS		50282
SLIPFORM CONSTRUCTION		50278
STRUCTURAL AND CONSTRUCTIONAL OPTIONS		50276
STRUCTURAL CONSIDERATIONS AND CONFIGURATIONS	50274,	50277
STRUCTURAL LOADS		50273
YEE CONCEPT		50279
CONDENSATION:		
AND HUMIDITY		50643
IN CONTAINERS		51832
CONDENSER SCOOPS:		
MACHINERY-AFT DESIGN		51796

COPPER:	
CORROSION IN SEA WATER.	52005
COPPER ALLOYS:	
CLADDING TECHNIQUES AND ECONOMICS	50460
CORROSION OF	50457
FOR OFFSHORE APPLICATIONS	50458
FOR SEAWATER SERVICE	50456
WELDABILITY OF	50453
COPPER-CLAD STEELS:	
WELDING PROCESSES FOR	49909
COPPER-NICKEL ALLOY CLAD STEELS:	
WELDING PROCESSES FOR	49907
COPPER-NICKEL ALLOYS:	
APPLICATIONS FOR	49908
AS HULL CLADDING	50826
CORROSION IN SEAWATER	50119, 50120
CORROSION IN SULPHIDE-POLLUTED SEAWATER	50382
FOR HULLS	50461
WELDABILITY OF	50454
CORIOLIS FORCE:	
AND FLOW IN PIPES	50180
CORROSION:	
HOT:	
IN GAS TURBINES	51980
SALT PARTICLE SIZE EFFECTS	51987
IN AQUEOUS SOLUTIONS	50375
IN ARCTIC WATER.	50366
IN FLUE-GAS HEATED ECONOMISERS	51224
IN OCEAN THERMAL ENERGY CONVERSION SYSTEMS	52006, 52007
IN THERMAL DESALINATION	50562
MATERIALS AND DESIGN CONSIDERATIONS	50375
MICROBIAL	51779
MONITORING IN OFFSHORE INSTALLATIONS.	50559
OF COPPER ALLOYS	50457
OF COPPER IN SEA WATER.	52005
OF COPPER-NICKEL ALLOYS IN SEAWATER	50119, 50120
OF COPPER-NICKEL ALLOYS IN SULPHIDE-POLLUTED SEAWATER	50382
OF ECONOMISERS	50337
OF GAS-TURBINE COMPONENTS	50501
OF HULL STEEL BY FLUE GASES	50198
OF OFFSHORE STRUCTURES.	50373
OF PIPELINE COMPONENTS IN SEAWATER SYSTEMS	50176
OF PIPELINES	50374
OF PRESTRESSED CONCRETE	50930
OF SACRIFICIAL HULL ANODES	50712
OF STEEL BARS FOR CONCRETE OFFSHORE STRUCTURES	50929
OF STEEL OFFSHORE PLATFORMS	50372
OF STEEL PLATES FROM CONTINUOUS-CAST SLABS	50928
PITTING	50375
PREVENTION METHODS	50375
PROTECTION AGAINST:	
PIPEWORK:	51649
TANKS:	51649
RESISTANCE TO:	
IN MARINE SYSTEMS	50179
SALT-WATER	52004
CORROSION CHARACTERISTICS:	
OF LOCAL RESISTANCES IN SHIP SYSTEMS.	49998

CORROSION FATIGUE:						
IN SHIP STRUCTURES	.	.	.	.	.	51344
OF CAST PROPELLER ALLOYS	.	.	.	.	.	51382
CORROSION INHIBITORS:						
SULPHIDATION	.	.	.	.	.	51981
CORROSION MONITORING:						
IN OFFSHORE INSTALLATIONS	.	.	.	.	.	50368
COST EFFECTIVENESS:						
AND POWER PLANT MASS	.	.	.	.	.	50162
OF PROPELLER SHAFTS	.	.	.	.	.	50167
COST ESTIMATION:						
NEW PROJECTS	.	.	.	.	.	50241
COST EVALUATION:						
OF ELECTRONIC EQUIPMENT:	.	.	.	.	.	51810, 51811
COST FACTORS:						
FOR SURFACE COMBATANT SHIPS	.	.	.	.	.	50621
COST-INCREASE CURVES:						
FOR UNCOMPLETED PRODUCTS	.	.	.	.	.	49943
COST PREDICTION:						
IN SHIPYARDS	.	.	.	.	.	50138
COST REDUCTION:						
IN SHIPBUILDING.	.	.	.	.	.	51414
COSTING:						
INLAND WATERWAYS BARGE TRANSPORTATION	.	.	.	.	.	50709
COSTS:						
DIESEL-ENGINE PROPULSION	.	.	.	.	.	51822
ESTIMATING SHIPBUILDING AND SHIP-OPERATION:	.	.	.	.	.	51512
WASTEWATER MANAGEMENT SYSTEMS.	.	.	.	.	.	51837 TO 51845
COUPLINGS:						
HYDRAULIC:	.	.	.	.	.	51611
REVERSING	.	.	.	.	.	51995
CRACK PROPAGATION:	.	.	.	.	.	51906
CRACKS:						
CONDITION MONITORING OF	.	.	.	.	.	51496
IN SHIP STRUCTURES	.	.	.	.	.	51906
CRANES:						
DECK:						
ELECTRIC	.	.	.	.	.	50389
HYDRAULIC	.	.	.	.	.	50388
ELECTROHYDRAULIC SLEWING	.	.	.	.	.	51863
FLOATING:						
"BOGATYR"	.	.	.	.	.	50431
"CHERNOMORETS"	.	.	.	.	.	50431
"VITYAZ"	.	.	.	.	.	50431
JIB:	.	.	.	.	.	51638
JIB GANTRY	.	.	.	.	.	50896
OFFSHORE:						
OPERATIONAL DYNAMICS OF	.	.	.	.	.	50589
OVERHEAD TRAVELLING, FOR SYNCHRONOUS OPERATION	.	.	.	.	.	50133
RATING OF HIGH PEDESTAL	.	.	.	.	.	50590
SHEERLEGS	.	.	.	.	.	50609
SHIPBOARD:	.	.	.	.	.	50186, 50387, 50896, 51638
DYNAMIC LOAD ON BOOM	.	.	.	.	.	50947
SLEWING:						
CONTAINER HANDLING.	.	.	.	.	.	50014

CRANES:-CONTINUED

TOWER:	
ACCESS TO	51735
ERECTION AND DISMANTLING OF	51734
TWINNING	50387
CRANKCASES:	
OIL-MIST DETECTORS	51051, 51994
CRANKSHAFTS:	
AXIAL DEFLECTION IN	50527
BUILT-UP	49989
DESIGN EFFECT ON SUPPORT REACTIONS	50087
FATIGUE OF	51782
STRESS ANALYSIS OF	50521
CREW EVACUATION SIMULATION:	52024
CRITICAL SPEEDS:	
OF ROTATING MASSES ON SHAFTS:	51830
CRYOGENIC SERVICE:	
STEELS FOR	51337
CUPRO-NICKELS:	
APPLICATIONS FOR	49908
FOR HULLS	50459
CURRENT VARIATIONS:	
IN NORTH SEA	50943
CURVE CALCULATION CALCULATOR:	51699
CURVE FAIRING TECHNIQUES:	51524
CUTTING:	
THERMAL:	
ACCURACY OF	49949
UNDERWATER:	
PROCESSES FOR	50598
SAFETY CODE OF PRACTICE	50581
WATER CURTAIN TORCH	50599
CUTTING MACHINES:	
OPTIMISATION:	51604
CYLINDER COVER RELIABILITY:	51760
CYLINDER-LINER SCUFFING:	51762
CYLINDER LUBRICATION:	
MONITORING OF	49986
OIL CIRCULATION AND CONSUMPTION WITH	49987
CYLINDER OUTPUT:	
OF DIESEL ENGINES	51436
CYLINDERS:	
HEAVE ADDED MASS AND DAMPING	50292
HYDRAULIC:	
BENDING VIBRATIONS OF	51828
REINFORCED:	
SUBJECTED TO EXTERNAL HYDROSTATIC PRESSURE	51903
VIBRATION OF	51356
WAVE EFFECTS ON	50312
WAVE FORCES ON	50679
WAVE LOADS ON	50314
WEAR OF	51778

D

'DAM-ATOLL' OCEAN WAVE ENERGY DEVICE:	51862
DAMAGE ESTIMATES:	
FOR PLATING	50625

DAMPING COEFFICIENT:	51932
FOR VERTICAL HULL VIBRATIONS:	51897
DAMPING PROPERTIES:	
OF TURBINE BLADES	51438
DATA ACQUISITION:	
BUS-ORIENTED SYSTEM	50353
DATA COLLECTION:	
IN SHIP TRIALS	52021
DATA PROCESSING:	
AND INSTRUMENTATION	51180
FOR ELECTRICAL INSTALLATIONS PLANNING AND DESIGN	50554
DATA-TRANSFER SYSTEMS:	
SHIPBOARD DATA MULTIPLEX SYSTEM	51992
DECELERATION:	
AUTOMATIC CONTROL OF	50351
DECK WETNESS:	
OF SUPPLY VESSELS	51195
DECKHOUSE/HULL INTERACTION.	50446
DECKS:	
FERROCEMENT	50975
MODEL TESTS ON SHIPPING WATER PRESSURE ON	50115
SUPERSTRUCTURE:	
NATURAL FREQUENCIES OF	51896
VEHICLE	50605
DEFORMATION:	
OF ENGINE-ROOM DOUBLE BOTTOM:	51565
DERRICKS:	
600-TON:	51813
STRENGTH ANALYSIS	51568
STRESS MEASUREMENTS:	51568
CONTAINER HANDLING	50014
HEAVY-LIFT	51694
DESALINATION:	
CORROSION STUDIES	50562
REVERSE-OSMOSIS.	51478
DESALINATION PLANTS:	
CONCRETE BARGES FOR	51892
FOULING IN	50713
DESIGN:	
COMPUTER-AIDED:	
MINI-COMPUTER	50055
PRELIMINARY DESIGN.	50615, 50617
FOR PRODUCTION:	51557
OPTIMAL STRUCTURAL:	51544
PRELIMINARY:	
SYNTHESIS MODELS	50805
SHIP:	
COMPUTER-AIDED:	51520, 51522, 51523, 51533, 51534, 51543
COMPUTER GRAPHICS IN:	51526
IMCO'S ACTIVITIES	50025
MAN VERSUS MACHINE.	51473, 51474
MATERIALS/STRUCTURAL INTERFACES	50976
OCCUPATIONAL HYGIENE AND HEALTH IN	52028
PROCESS IMPROVEMENTS:	51537
SEAMOD CONCEPT	50797
THEORY AND PRACTICE OF	50054
SHIPBOARD HABITABILITY REQUIREMENTS	50798

DESIGN CONSIDERATIONS:	
IN LHA-1 CLASS	50440
DESIGN CRITERIA:	
STRUCTURAL	50024
DESIGN LOADS:	
MISCELLANEOUS:	51562
DEVELOPING COUNTRIES:	
CARGO SELECTION FOR:	51663
MARKET ASSESSMENT FOR:	51641, 51642, 51643
DIAGNOSIS:	
DIESEL ENGINES	51821
OF EQUIPMENT PROBLEMS	50189
DIAGNOSTIC FACTORS:	
BEARINGS LOAD AS	50541
DIAGNOSTIC SYSTEMS:	
FOR FOUR-STROKE DIESEL ENGINE.	50544
FOR SULZER ENGINES	50538
STANDARDISED	50550
DIESEL ENGINES:	
309-KW	51961
9DKRM84/180-3	50051
ADVANCED STRENGTH ANALYSIS METHOD TO IMPROVE RELIABILITY OF CYLI- NDER COVER	50049
ALLEN 6PBCS12-DX	51760
ATLANTIQUE-PIELSTICK 10PC4V	51692
ATLANTIQUE-PIELSTICK 12PC4	51869
AUTOMATION MAINTENANCE AND REPAIR	51689
BOLNES 16V-DNL:	50529
BRIDGE CONTROL	51504
BRONS A-RUB 215.	51248
BURMEISTER & WAIN 10K45GF	50336
BURMEISTER & WAIN 690 GF	49886
BURMEISTER & WAIN 7L67GFC	51154
BURMEISTER & WAIN ALPHA 16U28LU	51956
BURMEISTER & WAIN/BRYANSK 6K74EF	51505
BURMEISTER & WAIN/GOTAVERKEN-7K90GF	51506
BURMEISTER & WAIN K- AND L-GF UNIFLOW-SCAVENGED LOW-SPEED.	51508
BURMEISTER & WAIN K-AND L-GFC POWER AND CONSUMPTION FIGURES	51222
BURMEISTER & WAIN K-GF.	51222
BURMEISTER & WAIN L-GF.	51747
BURMEISTER & WAIN L-GFC	51747
BURMEISTER & WAIN-PIELSTICK 18 PC 2-5V	51425
CATERPILLAR 3408 TA	51863
CATERPILLAR D343 T/A	50427
CATERPILLAR D379	50240
CATERPILLAR D398 T/A	51865
CEGIELSKI-SULZER 6RND76	50050
COCKERILL-SULZER 6RND68M	50236
COMBUSTION AND SUPER-CHARGING CYCLES.	50231
COMBUSTION IN MEDIUM-SPEED	49974
COMPARATIVE ECONOMIC POSITION OF	49992
COMPARISON WITH STEAM TURBINE.	51746
COMPONENT ANALYSIS BY FINITE ELEMENT METHODS	49954
CONDITION-MONITORING AND FAULT DIAGNOSIS IN.	51781
CONDITION MONITORING OF SLOW-SPEED	51430
CONTROL SYSTEM FOR	49991
CREPELLE PSN3	50333
CROSSHEAD	50336
	49986

DIESEL ENGINES:-CONTINUED

CROSSLEY-PIELSTICK 12PC2V MK 5	50230
CYLINDER OUTPUT OF	51436
DETECTION AND DIAGNOSIS OF FAULTS	51422, 51423
DETERIORATION ANALYSIS:	51424
DETROIT 16V-149.	49891
DEUTZ BVM 628	50336
DEUTZ RBV 8M540.	51157
DEUTZ SBA 12M816	50793
DEUTZ SBA 6M 528	49890
DEUTZ SBA 6M 816	50425
DEUTZ SBA 8A528	50792
DEUTZ SBA 8M528.	50783, 50789
DEUTZ SBV6M540	51690
DIAGNOSIS	51821
DOXFORD 58 JS	49883
DOXFORD 58JS3	51032, 51033
DOXFORD 76J4	50964, 51688
DOXFORD OPPOSED-PISTON TWO-CYCLE	51215
ENERGY SAVING IN	50343
EXHAUST EMISSION MEASUREMENTS FOR	51284
EXHAUST EMISSIONS FROM MEDIUM-SPEED	51756
EXHAUST-GAS REGULATIONS	51283
FOR BULK CARRIER	51219
FOR HIGH-SPEED CRAFT	49969
FREDRIKSSTAD BURMEISTER & WAIN	51145
FUEL CONSUMPTION RATES.	51794
GENERAL MOTORS EMD 16-645 E7	50788
GENERAL MOTORS EMD 645-E7	51426
G.M.T. CC600 SHORT-STROKE	51228, 51955
HANSHIN 6LUS 58 FOUR-STROKE LOW-SPEED	51752
HOW-MAN K8Z 86/160 F	51323
HEDEMORE VB A	50336
HITACHI-B & W	50660
HORTEN-SULZER 6RND76	51144
IHI-PIELSTICK 12PA6V	50229
KAWASAKI-M.A.N. TWO-STROKE	51750, 51761
KELVIN TBSC8	50237
KHD SBV12M540	50606
KLOCKNER-HUMBOLDT-DEUTZ AG MEDIUM-SPEED	51754
LOW-SPEED:	
COSTS	51822
LOW-SPEED VERSUS MEDIUM-SPEED.	51959
MAINTENANCE OF	50537
MAK 16 MU 551 AK	50234
MAK 16M453 AK	50608
MAK 6M 551 AK	50607
MAK 6MU 453 AK	50426, 51149
MAK 8 M 453 AK	50235
MAK 8M331	50794
MAK 8M453AK:	49889, 51503
MAK 8M552AK:	51326
MAK 9M551 AK	50434
M.A.N. 74VT2BF160	50527
M.A.N. 8L40/45	51684
M.A.N. 9RD90/155	50527
M.A.N. EDP-BASED MAINTENANCE SYSTEM	49954
M.A.N. FOUR-STROKE	51751

DIESEL ENGINES:-CONTINUED

M.A.N./KAWASAKI.	49954
M.A.N. KSZ B AND BL SERIES	49954
M.A.N. KZ78/155.	50527
M.A.N./MITSUBISHI	49954
M.A.N. SW85/170.	50527
M.A.N. TWO-STROKE	51751
MEAN EFFECTIVE PRESSURE OF 25 KG/CM2.	49974
MEDIUM-SPEED:	50542, 50543, 50545
COMPARED WITH SLOW-SPEED	51991
COSTS	51822
EVOLUTION OF TBN OR ALKALINITY, LUBRICATION, AND MAINTENANCE-	
COST INDEX	50154
HEAVY FUEL OIL FOR.	50518
OPERATIONAL PROBLEMS	51434
REVIEW OF	51789
TRUNK PISTON	49987
VERSUS LOW-SPEED	51959
MHI SULZER 6RND68M	51694
MIRREES-BLACKSTONE ESL6	51164
MIRREES-BLACKSTONE ESL6MGR	51146
MITSUBISHI-M.A.N. V52/55	51768
MITSUBISHI-SULZER 6RND90	51948
MITSUBISHI-SULZER RND 90M	50605
MITSUBISHI UE	51232
MITSUBISHI UE-E TYPE	50330
MITSUBISHI UEC52/105E	50330
MITSUBISHI UEC52/125E	50330
MITSUBISHI UEC85	50330
MITSUBISHI UEV30	50330
MITSUI-BURMEISTER & WAIN 12L45GF	50048
MITSUI-BURMEISTER & WAIN 6K90GF	50786
MITSUI L/V 42M FOUR-STROKE MEDIUM SPEED	51753
MOMENT COMPENSATOR	50720
MONITORING OF	50540, 50541, 50542, 50543, 50544, 51821
MTU 12V331	49964
MTU 6V 396 TC 71	50611
MTU 8V396 TC 62/52	51148
MTU 956/1163 TWIN	49973
NIIGATA/SEMT-PIELSTICK 14PC2-5V	50228
NOHAB POLAR F212V-B750.	50787
NOISE OF	51065
NORCONTROL SIMULATOR	51233
NORMO/BERGEN KR.	50336
PC	51755
PRODUCTION OF LARGE BORED	49982
PULSE-CONVERTER SUPERCHARGING.	50868
QUALITY CONTROL FOR	50335
RD 90	49957
REMOTE CONTROL OF	51247
RND 90M	49957
ROSTOCK-M.A.N. K8Z 70/120 E	49884, 50232
RUSTON 8ATCM	51143
RUSTON 8RKC	50790
SELECTION CRITERIA	51991
SELECTION ECONOMICS	51959
SEMT-PIELSTICK 16 PC 2.5 V	50233
SEMT-PIELSTICK PA4-200.	50336

DIESEL ENGINES:-CONTINUED	
SKL 6VD 26/20A	51697
SKL 8VD 26/20-A1	50868
SLOW-SPEED:	49981, 50527
COMPARED WITH MEDIUM-SPEED	51991
STORK-WERKSPoor	51219
STORK-WERKSPoor DRO 216K	49894
STORK-WERKSPoor 12TM10:	51507
SULZER:	
DIAGNOSTIC SYSTEM	50538
SULZER 5RND68	51686
SULZER 6RND76M	51683, 51685
SULZER 7RND76M	51868
SULZER 8RND90	50238
SULZER 8RND90M	51687
SULZER 8TD48:	51435
SULZER A25/30	50336
SULZER MEDIUM-SPEED	49972
SULZER RLA 56	49956, 51787
SULZER RLA 90	49957
SUMITOMO-SULZER 8 ZL40/48	51867
SUPERCHARGED:	51107
EMERGENCY-STOP PROBLEMS	50160
MEDIUM-SPEED, FOUR-STROKE	49976
RPM REPRESSION	49958
SUPERCHARGING OF	51962
THERMAL LOAD AND FUEL CONSUMPTION OF MEDIUM-SPEED	51757
TURBOCHARGED	50330, 51215, 51216
TURBOCHARGING	51214
TWIN-BANK	51748
TWO-STAGE TURBOCHARGING	49977
TWO-STROKE:	49980
CRANK ARRANGEMENT ON	51793
CROSSHEAD	49978, 49983
GAS EXCHANGE PROCESS IN	49993
MONITORING OF	50539
SUPERCHARGED	49979, 51225
TWO-STROKE CROSSHEAD	51749
VASA 32	50331
VEB 8 ZD 72/48 AL-1	50433
VIBRATION OF	50334
VOLVO PENTA TMD 120	51698
WARTSILA-PIELSTICK	51960
WARTSILA-PIELSTICK 6PC2-3L	49885
WARTSILA-PIELSTICK 8PC2-5L	51151
WARTSILA-SEMPT PIELSTICK 12-PC2-2V	51871
WARTSILA-SULZER 7RND 90 M	50603
WICHMANN 7AX	51866
WICHMANN AXA AND AXAG	50336
WITH MEAN EFFECTIVE PRESSURE G 25 KG/CM2.	49976
ZGODA-SULZER 6ZL40/48	49887
DIFFRACTION FORCES:	
SHIP MOTION:	51585
DIMENSIONING CRITERIA:	
OF SHIP STRUCTURES	50812
DISPLACEMENT:	
OPTICAL METHODS FOR	51182

DOCKS:		
DRY:		
CLEANING OF FLOORS.	.	50319
DESIGN CONCEPT	.	49939
DUBAI	.	50686, 50687
FLOATING:		
AG WESER DOCK VI	.	51722
CLASSIFICATION RULES	.	49898
REPAIR:		
DUNKIRK	.	50134
ISRAEL SHIPYARDS	.	51013
DOOR/RAMP:		
MCGREGOR BOTTOM-HINGED.	.	51153
DOORS:		
STRESS CONCENTRATIONS AROUND	.	50465
DOWNTIME EVALUATION:		
FOR OPERATIONS FROM FLOATING VESSELS IN WAVES	.	51126
DRAG:		
OF ROUGHENED CIRCULAR CYLINDERS	.	50681
SPRAY:		
MODEL TESTS ON	.	51360
DRAG COEFFICIENTS:		
INFLUENCE OF MARINE ROUGHNESS ON	.	49923
DRAG EFFECT:		
DUE TO POLYMER INJECTION	.	50311
DRAG-REDUCING FLUIDS:		
BIBLIOGRAPHY	.	50479
DRAG REDUCTION:		
BY POLYMER DIFFUSION	.	50307
LITERATURE SURVEY OF	.	50102
DRAUGHT:		
MINICOMPUTER CALCULATION	.	50745
DREDGING:		
COMPRESSED-AIR (AIR-LIFT)	.	50602
COSTS AND OPERATION ASSESSMENT	.	51303
ROCK	.	51304
DRIFT ANGLE:		
IN MANOEUVRING	.	50468
DRINKING-WATER SYSTEMS:	.	50907
DRIVES:		
SUPERCONDUCTIVE ELECTRIC	.	51431
DYNAMIC ANALYSIS:	.	50264
DYNAMIC BRAKING:	.	50351
DYNAMIC POSITIONING:	.	50601
AND WAVE FEED-FORWARD	.	50916
RESEARCH AND DESIGN PROBLEMS	.	51502
DYNAMIC POSITIONING SYSTEMS:	.	50224
DYNAMIC PROPERTIES:		
OF MATERIALS	.	50641
DYNAMIC RESPONSE:		
OF OFFSHORE STRUCTURES IN WAVES	.	51288
STRUCTURAL DAMAGE DETECTION BY	.	51121
	E	
EARTHQUAKE-RESISTANT DESIGN:	.	50596
DYNAMIC POSITIONING:		
RESEARCH AND DESIGN PROBLEMS	.	51502
ECONOMIC MEASURES OF MERIT:	.	51516

ECONOMICS:					
APPLICATION TO SHIPS AND FLEETS:	.	.	.	.	51519
OF BULK SHIPPING:	.	.	.	.	51666
OF MARINE TRANSPORTATION:	.	.	.	.	51515
OF PORT CAPACITY:	.	.	.	.	51518
OF PROPULSION MACHINERY:	.	.	.	.	51620
OF SHIP CAPACITY:	.	.	.	.	51518
SHIPOWNER'S VIEW OF:	.	.	.	.	51514
ECONOMISER CORROSION RATES:	.	.	.	.	50337
ECONOMISERS:					
FLUE-GAS HEATED, CORROSION IN.	.	.	.	.	51224
EDUCTORS:					
SHIPBOARD USES OF	.	.	.	.	49994
ELECTRIC INSTALLATIONS:					
CABLE INSTALLATION COST ESTIMATING	.	.	.	.	51050
EDISIM PROGRAM	.	.	.	.	50875
ELECTRIC MOTORS:					
FOR DREDGERS	.	.	.	.	51226
LOW-SPEED DIRECT-CURRENT SUPERCONDUCTING HETEROPOLAR:	.	.	.	.	51627
SEGMENTED MAGNET	.	.	.	.	51034, 51035
SUPERCONDUCTING D.C.	.	.	.	.	51432
SUPERCONDUCTIVE.	.	.	.	.	50865, 50866
ELECTRICAL INSTALLATIONS:					
ALGORITHM FOR DESIGN OF OPTIMUM POWER DISTRIBUTION SYSTEMS	.	.	.	.	50181
AND PROPULSION SYSTEMS.	.	.	.	.	50694
COMPUTER PROGRAM FOR ANALYSIS OF	.	.	.	.	50182
DATA PROCESSING IN PLANNING AND DESIGN	.	.	.	.	50554
DESIGN AUTOMATION	.	.	.	.	50188
DEVELOPMENT TRENDS IN	.	.	.	.	50171
DISTRIBUTION SYSTEM OPTIMISATION ACCORDING TO RELIABILITY CRITER-					
ION	.	.	.	.	50183
IN ICEBREAKER "ALMIRANTE IRIZAR"	.	.	.	.	51960
IN ORE/OIL CARRIER "BORIS BUTOMA"	.	.	.	.	50173
MAINTENANCE	.	.	.	.	51820
MATHEMATICAL MODELLING.	.	.	.	.	50702
NETWORK STRUCTURE DEFINITION AND CONTROL	.	.	.	.	50184
PROBABILITY PROCESS OF.	.	.	.	.	50185
RELIABILITY OF	.	.	.	.	50158, 51820
ELECTRICAL MOTORS:					
MONITORING OF	.	.	.	.	50555
ELECTRICAL PROPERTIES:					
OF TANK COATINGS	.	.	.	.	50561
ELECTROMAGNETIC COMPATIBILITY:	.	.	51441, 51442, 51443, 51444,	.	51445
ELECTROMAGNETIC INTERFERENCE:	.	.	.	.	51442
ELECTRONIC CONTROLS:					
INDICATIONS AND COMMUNICATIONS:	.	.	.	.	51815
ELECTRONIC EQUIPMENT:					
COST EVALUATION OF	.	.	.	.	51810, 51811
DEGRADATION OF	.	.	.	.	51997
SHIPBOARD DATA MULTIPLEX SYSTEM	.	.	.	.	51992
ELECTRONIC INSTALLATIONS:					
STRUCTURAL DESIGN EFFECTS	.	.	.	.	50703
ENERGY:					
CONVERSION:					
DIRECT:	.	.	.	.	51622
OFFSHORE PLANT	.	.	.	.	50412
OCEAN THERMAL CONVERSION	.	.	.	.	51500

ENERGY SAVING:						
IN DIESEL ENGINES	.	.	.	.	.	50343
ENERGY-SAVING SYSTEM:						
IN DIESEL-POWERED SHIPS	.	.	.	.	.	51420
ENERGY USE:						
IN SHIPBUILDING AND MARINE ENGINEERING INDUSTRIES	.	.	.	.	.	51016
ENGINE ROOM:						
LENGTH EFFECT	.	.	.	.	.	50807
OPERATION MANAGEMENT:	.	.	.	.	.	51763
ENGINE ROOMS:						
AUTOMATION:	.	.	.	.	.	51244, 51640
DOUBLE-BOTTOM:						
DEFORMATION OF:	.	.	.	.	.	51565
ENTRAINED WATER:						
IN SHIP VIBRATIONS	.	.	.	.	.	50072
ENVIRONMENTAL POLLUTION:						
IN OFFSHORE OPERATIONS.	.	.	.	.	.	50958
EQUILIBRIUM MODELS:	.	.	.	.	.	50262
EQUIPMENT:						
COMPARISON OF ALTERNATIVES:	.	.	.	.	.	51517
ERGONOMICS:						
AND BRIDGE CONTROL DESIGN	.	.	.	.	.	51245
EROSION:						
TURBINE-BLADE	.	.	.	.	.	50506
ESTIMATING:						
ELECTRIC CABLE INSTALLATION	.	.	.	.	.	51050
SHIPBUILDING AND SHIP-OPERATING COSTS:	.	.	.	.	.	51512
EVACUATION SIMULATION STUDIES:	.	.	.	.	.	52024
EXCITATION FORCES:						
HORIZONTAL SLOW-DRIFT	.	.	.	.	.	51941
EXCITING FORCES:						
ANALYTICAL METHODS FOR.	.	.	.	.	.	51765
EXHAUST EMISSION MEASUREMENTS:						
FOR DIESEL ENGINES	.	.	.	.	.	51284
EXHAUST GAS:						
POWER RECOVERY:	.	.	.	.	.	51619
REGULATIONS	.	.	.	.	.	51283
EXPLOSIMETER COMBUSTIBLE GAS INDICATOR:	.	.	.	.	.	50393
EXPLOSION PREVENTION:						
IN TANKERS	.	.	.	.	.	50028
EXPLOSIONS:						
SAFETY PRECAUTIONS	.	.	.	.	.	50393
EXPLOSIVES:						
FOR UNDERWATER USE	.	.	.	.	.	52036

F

FAILURE PREDICTION:						
BY CONDITION MONITORING:	.	.	.	.	.	51566
FAIRINGS:						
TECHNIQUES:	.	.	.	.	.	51524
FANS:						
CENTRIFUGAL:						
NOISE REDUCTION	.	.	.	.	.	50726
NOISE OF	.	.	.	.	.	51261, 51267
FATIGUE:						
AND FRACTURE OF MARITIME STRUCTURES:	.	.	.	.	.	51551

FATIGUE:-CONTINUED	
EFFECT ON CATHODIC POLARIZATION IN SEA WATER	51061
FOR PROPELLER ALLOYS	51384
IN RELATION TO FABRICATION OF STRUCTURES	51488
LOW-CYCLE:	
CUMULATIVE DAMAGE	50988
OF CONCRETE SHIPS	50283
OF CRANKSHAFTS	51782
OF HYDROFOIL FOIL STRUCTURES	50069
OF STEEL DECKS IN OFFSHORE PLATFORMS	51498
OF WELDED STEEL PLATE BUTT JOINTS	50818
THERMAL:	
LIFE ASSESSMENT METHOD	50270
FATIGUE CRACK INITIATION LIFE:	
OF STIFFENER END BRACKET	50980
FATIGUE CRACK PROPAGATION RATE:	
OF STIFFENER END BRACKET	50980
FATIGUE DESIGN DIAGRAM:	
FOR HULL STRUCTURES	50077
FATIGUE FAILURE:	
IN PROPELLER BLADES	51383
OF T-JOINTS, FRACTURE MECHANICS ANALYSIS OF.	51483
FATIGUE LIFE:	
ESTIMATION OF	50832
OF WIRE ROPE	50942
PREDICTION OF	51484
FATIGUE LIFE ESTIMATION:	
OF WELDED STRUCTURES	50642
FATIGUE STRENGTH:	
OF BUTT WELDS	50822
OF FILLET-WELDED CONNECTIONS, INFLUENCE OF WELD THICKNESS AND PLATE THICKNESS ON.	49912
OF LOCAL PARTS OF SHIP STRUCTURES	50980
OF LONGITUDINAL STRENGTH MEMBERS	50833
OF SCREW THREADS	50984
OF STRUCTURAL STEEL WELDED JOINTS	51489
OF TITANIUM ALLOYS	50085
OVERLOAD EFFECT.	50085
FATIGUE STRESS:	
SPRINGS	50451
FATIGUE TESTING:	
OF OFFSHORE STRUCTURES.	51495
FEMAL(FINITE ELEMENT MODELLING AND ANALYSIS LANGUAGE FOR ENGINEERS).	50628
FERROCEMENT:	
DECKS	50975
IN FLEXURE	50974
IN TENSION	50973
VESSELS:	50286
FERROMANGANESE DEPOSITS:	50958
FIBRE OPTIC TRANSMISSION SYSTEMS:.	51633
FINITE ELEMENT ANALYSIS:	
GRID SELECTION	50445
REFINEMENT PROCEDURES	50445
FINITE ELEMENT MODELLING AND ANALYSIS LANGUAGE FOR ENGINEERS:.	50628
FINITE ELEMENT TECHNIQUES:	
CONGRESS ON	50260 TO 50267
CONVERGENCE AND ACCURACY IN	50265
FOR WELDED STRUCTURES	50455

FIRE DETECTION AND PREVENTION:	
IN ACCOMMODATION SPACES	50577, 50578
IN CARGO VESSELS	51278
INTERNATIONAL AND NATIONAL REGULATIONS ON	50579
FIRE DETECTION AND PROTECTION:	
FACTS AND FIGURES:	51607
MANAGEMENT RESPONSIBILITY:	51605
IN TUGS	50216
OFFSHORE STRUCTURES	50227
FIRE-FIGHTING EQUIPMENT:	
CLASSIFICATION SOCIETY RULES ON	50580
FIRE PREVENTION:	
IN TANKERS	50028
FISH:	
PRESERVATION SYSTEMS:	51637
FISHING:	
TILINER LONG-LINE SYSTEM	51060
FITTING-OUT:	
REDUCING AMOUNT OF WORK ON BERTH	50142
FLAME ARRESTORS:	
DESIGN REQUIREMENTS:	51634
GASOLINE/AIR:	51675
FLAME CONTROL DEVICES:	51674
FLAME-HARDENING:	
OF CARBON STEELS	51187
FLAME STRAIGHTENING PROCESSES:	50483
FLAMMABLE LIQUIDS:	
SPRAYING OF	51737
FLANGES AND FLANGED FITTINGS:	
SPECIFICATIONS	50528
FLEET MANAGEMENT:	
INFORMATION SYSTEMS	50361
PLANNING SYSTEMS	50361
FLEET REPLACEMENT:	
MATHEMATICAL MODEL	50886
FLEXURE:	
FERROCEMENT IN	50974
MEASUREMENT:	50970
MONITORING:	51567
FLOATING BODIES:	
LARGE-AMPLITUDE TRANSIENT MOTION OF TWO-DIMENSIONAL	51357
FLOATING PROCESS PLANTS:	51312
FLOATING STRUCTURES:	
LNG PLANTS ON	50421
FLOORS:	
FLOATING:	
ACOUSTICAL PROPERTIES OF	50563
FLOW:	
AIR:	
NOMOGRAPH	50701
AROUND CATAMARAN	51915
AROUND STERN OF LARGE TANKER	51198
CROSS:	
IN BOUNDARY LAYER	51378
FROM BULK-SOLIDS STORAGE BINS	50905
THREE-DIMENSIONAL TURBULENT:	
AROUND SHIPS' HULLS	51367

FLOW:-CONTINUED	
TURBULENT ANNULAR:	
MAXIMUM VELOCITY RADIUS IN	50852
VISCOUS:	
BODIES OF REVOLUTION	51370
NEAR STERN	51369
FLOW ANALYSIS:	
AROUND HULLS	50469
FLOW DISTRIBUTION:	
IN SUPERHEATERS	50338
FLOW-FIELD MEASUREMENTS:	
LASER-VELOCIMETRY FOR	51371
FLOW IN PIPES:	
CORIOLIS FORCE	50180
FLOW MEASUREMENT:	
IN WAKE REGION	51912
FLUE GASES:	
CORROSION OF HULL STEEL BY	50198
FLUIDISED BED COMBUSTION:	49959, 49960, 51968
FLUIDISED BEDS:	
COAL-FIRED	51238
FOOD SERVICE:	
IN NAVAL VESSELS	50623
FOODSTUFFS:	
STORAGE OF	50249
FOREST INDUSTRY:	
OF BRITISH COLUMBIA	50895
FOREST PRODUCTS:	
HANDLING OF	50896
MARINE TRANSPORT OF	50897
FORM FACTOR:	
AND METHODS OF ITS DETERMINATION	50131
FOULING:	
BIOCIDES FOR PREVENTION OF	50004
CONTROL AND REMOVAL AFLOAT	51062
DATABASE CITATIONS	50890
IN DESALINATION PLANTS	50713
IN OCEAN THERMAL ENERGY CONVERSION SYSTEMS	52006, 52007
OF OFFSHORE STRUCTURES	50196
PREVENTION IN SEAWATER COOLING SYSTEMS	51827
FOUNDATIONS:	
MINIMUM-WEIGHT DESIGN	50463
FRACTURE:	
FATIGUE:	51551
IN RELATION TO FABRICATION OF STRUCTURES	51488
METAL:	
IGNITION OF GASES DUE TO:	51671
OF SHIP STEELS AND WELDMENTS	50827
FRACTURE BEHAVIOUR:	
OF SHIP STEELS	51171
OF WELDMENTS	51171
FRACTURE MECHANICS:	51906
ANALYSIS:	
OF FATIGUE FAILURE OF T-JOINTS	51483
FRACTURE TOUGHNESS:	
OF WELDED STEEL PLATE BUTT JOINTS	50818
FRAME BENDING PROGRAM:	51026

FRAME-SPACING:		
AND SCANTLINGS CORRELATION		50093
FRAMES:		
BENDING:		
COMPUTER CONTROL		50858
FREEBOARD:		
AGAINST SHIP LENGTH		50027
FREEBOARD REQUIREMENTS OF DISPLACEMENT MONOHULLS:		51947
FREQUENCY RESPONSE DATA:		
MODELLING OF STRUCTURAL BEHAVIOUR FROM		51829
FRICTION:		
EFFECT ON PRESSURE DISTRIBUTION		50652
TURBULENT WALL		51374
FUEL-CONDITIONING SYSTEMS:		
HOMOGENIZERS IN.		50157
FUEL CONSERVATION:		
THROUGH HEAT RECOVERY:		51632
FUEL CONSUMPTION:		
AND SHIP SPEED		50194
IN FISHING BOATS		51924
STEAM/DIESEL COMPARISON		51794
FUEL-ECONOMY TRIALS:		
ON ASSAULT SHIP "TARAWA"		51055
FUEL EFFICIENCY:		
OF TANKERS		51036
FUEL-INJECTION CRITERIA:		51784
FUEL INJECTION EQUIPMENT:		
FOR MEDIUM-SPEED ENGINES USING RESIDUAL FUELS		49984
FUEL OILS:		
SODIUM DETERMINATION IN		50504
FUELS:		
ALTERNATIVE		50344
ALTERNATIVES TO OIL		49966
ATOMIZATION OF CRUDE AND RESIDUAL		50502
CHEMICAL ADDITIVE TREATMENT		50341
EMULSIFIED		51988
EMULSION HOMOGENISERS		51993
PETROLEUM SITUATION REVIEW		51046
QUALITY EFFECT ON DIESEL-ENGINE PERFORMANCE.		51977
RESIDUAL:		
CHEMICAL TREATMENT.		51792
INCREASING LIFE-TIME OF HEAT-LOADED PARTS		49955
PROBLEMS INVOLVED WITH		49955
SEPARATOR TREATMENT		51808
RESIDUALS IN		50518
SYNTHETIC:		
COAL-DERIVED		50493
WASHING SYSTEM		51807
WATER-EMULSIFIED:		51624, 51625
WATER-IN-FUEL EMULSIONS		50864
WATER INJECTION.		51988
FUNNEL AND CASING ASSEMBLY:		49942
FURNITURE:		
SHIPBOARD DESIGN		50799

G

[illegible]

GRILLAGES:-CONTINUED	
ORE/OIL CARRIER DOUBLE-BOTTOM.	50084
STRENGTH OF:	51550
GRIT-BLASTING:	
OPEN-JET METHODS	51259
GROUNDING:	
PROBABILITY STUDIES	50749
GROUNDING LENGTH:	
ESTIMATION OF	50020
GUIDANCE SYSTEM:	
FOR OFFSHORE TECHNOLOGY	50917
	H
HABITABILITY:	
DESIGN PROCESS	50798
HABITATS:	
WELDING IN	50039
HARBOURS:	
YACHT:	
DESIGN AND DIMENSIONS	51320
HARDENING:	
OF ALUMINIUM PISTONS	51790
OF HATCH-COVER SLIDES	51187
HARDFACING WELD METALS:	50452
HARLAND INFORMATION SYSTEM.	49940
HATCH COVERS:	
AUTOMATED	50347
CARGO SURVEYOR AND ADJUSTER'S COMMENTS ON	52017
DEFECTS OBSERVED IN	52015
DESIGN AND RELATED EXPERIENCE.	52012
HARDENING OF SLIDES	51187
HYDRAUTORQUE	50787
MAINTENANCE, OVERHAUL AND REPAIRS TO.	52013
PIGGYBACK	51154
OF ORE/OIL CARRIERS:	
STRESS DETERMINATION OF	51340
STEEL	52016
UNIVERSAL PONTOON SUBSYSTEMS	50741
VIEWS OF P. AND I. CLUB MANAGER	52014
HAWSER SYSTEM DESIGN:	50923
HAZARD ASSESSMENT HANDBOOK:	50021
HEALTH HAZARDS:	
OF WELDING FUMES	50152
HEAT-EXCHANGER TUBES:	
OCEAN THERMAL ENERGY CONVERSION (OTEC)	52006, 52007
HEAT EXCHANGERS:	
FIXED TUBESHEET.	50449
FOR COAL-FIRED FLUIDISED BEDS.	51238
HEAT RECOVERABLE COUPLING TECHNOLOGY:	51419
HEAT RECOVERY:	
FUEL CONSERVATION THROUGH:	51632
SHIPBOARD	50696
HEAT-RECOVERY BOILERS:	
IN NAVAL VESSELS	50510
HEAT TRANSFER:	
CONVECTIVE	51628
HEATING:	52029
THERMAL FLUID	51801

HIGH-FREQUENCY SINGLE-SIDE-BAND (HF-SSB).	.	.	.	.	50397
HOLDS:					
VENTILATION OF .	.	.	.	.	49997
HOLOGRAPHY:					
ACOUSTO/OPTICAL.	.	.	.	.	50640
HOMOGENIZERS:					
IN FUEL-CONDITIONING SYSTEMS .	.	.	.	.	50157
HOSPITAL ROOMS:					
DESIGN .	.	.	.	.	51888
HULL CONSTRUCTION:					
ASSESSMENT METHODOLOGY.	.	.	.	.	50139
RATIONALISATION OF MATCHING SECTIONS IN .	.	.	.	.	51952
TECHNO-ECONOMIC FACTORS CONTRIBUTING TO EASE OF .	.	.	.	.	51415
HULL/DECKHOUSE INTERACTION:	.	.	.	.	50446
HULL DEFORMATION:					
GEODETIC MEASUREMENT OF .	.	.	.	.	50636
SUPPORT MOMENTS AND REACTIONS DUE TO.	.	.	.	.	50086
HULL FORMS:					
AND PROPELLER CAVITATION AND VIBRATION .	.	.	.	.	50809
AND PROPULSIVE PERFORMANCE .	.	.	.	.	50809
DESIGN:					
NONLINEAR PROGRAMMING .	.	.	.	.	51916
WAVE RESISTANCE THEORY .	.	.	.	.	50835
FOR MERCHANT SHIPS .	.	.	.	.	50990
INFLUENCE OF CHINE STRIPS ON RESISTANCE AND MOTIONS OF HIGH-SPEED DISPLACEMENT .	.	.	.	.	51408
LOW RESISTANCE .	.	.	.	.	51712
NUCLEAR-POWERED GUIDED-MISSILE STRIKE CRUISER .	.	.	.	.	50662
STABILITY CONSIDERATIONS .	.	.	.	.	50683
TRANSVERSE STABILITY OF FAST ROUND BILGE .	.	.	.	.	51351
HULL GIRDERS:					
COMPRESSIVE STRENGTH OF .	.	.	.	.	49903
HULL MEASURING DEVICES: .	.	.	.	.	52040, 52041, 52042
HULL PARTS:					
STRAIGHTENING BY INDUCTION HEATING .	.	.	.	.	50328
HULL PRODUCTION:					
RELIABILITY LEVEL IN .	.	.	.	.	50145
HULL SECTION MODULUS ANALYSIS: .	.	.	.	.	50817
HULL SECTIONS:					
AND HYDRODYNAMIC ACTIONS AND WAVE RESPONSES.	.	.	.	.	51932
REPRESENTATION OF .	.	.	.	.	51932
HULL STRENGTH:					
AND CARGO HANDLING .	.	.	.	.	50208
OPTIMISATION OF. .	.	.	.	.	49907
PRIMARY: .	.	.	.	.	51550
HULL STRUCTURE ASSEMBLY:					
REDUCING FIT-UP WORK IN .	.	.	.	.	50143
HULL STRUCTURES:					
FATIGUE DESIGN DIAGRAM FOR .	.	.	.	.	50077
LSSES ANALYSIS .	.	.	.	.	50819
STRENGTH REQUIREMENTS .	.	.	.	.	49907
VIBRATION OF .	.	.	.	.	50082
HULL SURFACE DESIGN:					
COMPUTER-AIDED: .	.	.	.	.	51525
HULL SURFACE GENERATION:					
USING SECOND-ORDER CURVES .	.	.	.	.	50062

HULL SURFACE REPRESENTATION:	51024
HULL SURVEILLANCE SYSTEMS:	50466
HULLS:	
ALUMINIUM	50514
AND BOW STABILIZING FOIL HYDRODYNAMIC INTERACTION	49929
BOUNDARY LAYERS:	51583
CLEANING UNDERWATER	51999
CONCRETE:	
HYDROSTATIC LOADING OF	50637
PROGRESS REPORT	50624
CONCRETE CYLINDRICAL	50983
COPPER-NICKEL ALLOY CLADDING	50826
COPPER-NICKEL ALLOYS FOR	50461
CUPRO-NICKEL FOR	50459
DESIGN	50659
DISPLACEMENT MONOHULL RESEARCH PROGRAMME	50299
DOUBLE:	
COLLISION STRENGTH	50829
FINAL ASSEMBLY FACTORS	49948
FLEXURE MEASUREMENTS	50970
FLOW ANALYSIS AROUND	50469
GEODETIC MEASUREMENTS	49944
GEOMETRICAL AFFINITY OF:	51587
HARD-CHINE PLANING:	
SEAKEEPING OF	51190
MAINTENANCE AND REPAIR	51826
MONITORING	51104
PLANING:	
FEASIBILITY MODEL	50804
PRESSURE LOADS ON	51192
PRESTRESSED CONCRETE	50977
STRUCTURAL STRENGTH OF CARGO-VESSEL	51890
SURFACE ROUGHNESS AND TURBULENT BOUNDARY LAYERS	51375
SURFACE ROUGHNESS AND TURBULENT WALL FRICTION	51374
SURFACE ROUGHNESS EFFECTS ON FRICTIONAL RESISTANCE	51373
THREE-DIMENSIONAL LAMINAR AND TURBULENT BOUNDARY LAYERS ON	51001
TUNNEL BOAT AERODYNAMICS AND HYDRODYNAMICS	51923
WITH LARGE DECK OPENINGS UNDER TORSION	50088
HUMAN ENGINEERING:	
IN NAVAL SHIP DESIGN	50796
HUMAN ENGINEERING RESEARCH:	51881
HUMAN FACTORS:	
IN AUTOMATION	52023
IN MANOEUVERING:	52027
IN SHIP CONTROL:	51678
IN SHIP HANDLING	50030, 52025
OF REMOTELY CONTROLLED SUBMERSIBLES	52039
HUMIDITY:	
AND CONDENSATION	50643
HUMIDITY EFFECTS:	
IN CONTAINERS	50569
HYDRAULIC CHARACTERISTICS:	
OF LOCAL RESISTANCES IN SHIP SYSTEMS	49998
HYDRAULIC CIRCUITS:	
NOISE FROM	50565
HYDRAULIC CYLINDERS:	
BENDING VIBRATIONS OF	51828

HYDRAULIC TRANSMISSIONS:	
PROPULSION SYSTEM	50863
HYDRAULICS TRANSMISSION:	
SPLIT-SYSTEM	49965
HYDROCARBON POTENTIAL:	
OF DEEP WATER	50958
HYDRODYNAMIC ANALYSIS:	
OF TOWED SYSTEM.	51352
HYDRODYNAMIC COEFFICIENTS:	
IN SHIP MOTION	50316
HYDRODYNAMIC DESIGN:	
COMPUTERS IN:	51582
HYDRODYNAMIC DRAG:	
OF ROUGHENED CIRCULAR CYLINDERS	49923
HYDRODYNAMIC FORCES:	
DUE TO VIBRATION OF CYLINDERS.	51356
HYDRODYNAMIC INTERACTION:	
AT SEA	51411
HYDRODYNAMIC INTERACTION FORCES:	
BETWEEN SHIPS	50127
HYDRODYNAMIC LOAD ON PROPELLER BLADES:	51913
HYDRODYNAMIC LOADINGS:	
ON OFFSHORE PLATFORMS	50919
HYDRODYNAMIC MASS:	
OF VARIOUS BODIES	51002, 51003
HYDRODYNAMIC MASS MOMENT:	
OF INERTIA	51002
HYDRODYNAMIC PROPERTIES:	
EFFECT OF BOW BULB	50845
HYDRODYNAMIC REACTIONS TO PROPELLER VIBRATIONS:	51909
HYDRODYNAMICS:	
OF HULL SECTIONS	51932
OF PROPELLER-BLADE VIBRATIONS.	51389
HYDROELASTIC BEHAVIOUR:	
OF FAIRED TOWLINES	51007
HYDROFOIL WINGS:	
WITH FLAPS:	50109
SECTION DESIGN FOR	51354
HYDROFOILS:	
EFFECT OF POLYMER ADDITIVES	51711
FATIGUE EVALUATION	50069
HYBRID COMPOSITE STRUCTURES	50071
LIFT, DRAG, AND MOMENT.	50668
LIFTING PROBLEM.	50656
SUPERCAVITATING.	50310
SURFACE-PIERCING, SMALL ASPECT RATIO.	50294
SURFACE-PIERCING STRUT PROBLEMS	50297
SURFACE WAVES PRODUCED BY	50296
HYDROGRAPHIC DATA COLLECTION:	50414
HYGIENE IN SHIP DESIGN:	52028
HYPERBAR PARALLEL SUPERCHARGING:	51218

I

ICE:

NAVIGATION IN:	
BY "LUNNI"-CLASS TANKERS	51477

ICE:NAVIGATION IN:-CONTINUED	
SHIP BOTTOM PROTECTION AGAINST:	51650
SHIP OPERATION IN	50685
STRUCTURE, PROPERTIES, AND BEHAVIOUR OF	51409
ICE DRIFT PROJECT:	
NANSEN:	51632
ICE IMPACT:	
DAMAGE FROM	50625
ICE NAVIGATION:	
PROBLEM OF	50438
ICEBREAKING:	
REVIEW OF	50887
ICING OF FISHING VESSELS:	51825
IMODCO MOORING SYSTEM:	50404
IMPACT PRESSURE:	
DUE TO SHIPPING WATER, STOCHASTIC PREDICTION OF	51184
ON BOTTOM OF HIGH-SPEED SMALL CRAFT	51597
IMPELLERS:	
DUCTED	51005
INCINERATORS:	
MULTIFUNCTIONAL	52032
SHIPBOARD	50911
INCLINING EXPERIMENT:	
UNCERTAINTY ANALYSIS	50477
INDUCTION HEATING:	
STRAIGHTENING OF HULL PARTS BY	50328
INERTA 160 HULL-COATING:	51457
INERT-GAS SYSTEMS:	50209, 50434
INERTING SYSTEMS:	
FLUE-GAS:	51631
INFLATION:	
IN SHIPBUILDING	50320
INFORMATION:	
IN SHIPYARDS	51206
INFORMATION SERVICES:	
IN MARINE TECHNOLOGY	50422
INFORMATION SYSTEMS:	
AND SHIP PRODUCTION	49940
FLEET MANAGEMENT	50361
INTEGRATED	50530
MULTI-PURPOSE	50530
NAVIGATION	50017
SPMIS	51022
INSTRUMENTATION:	
AND DATA PROCESSING	51180
CLASSIFICATION BY FUNCTION AND PURPOSE	50362
INSTRUMENTS:	
RELIABILITY OF ELECTRICAL MEASURING	50551
INSULATION:	
FOR REFRIGERATION SYSTEMS	50259
INTERACTION:	
OF TWO VESSELS IN CLOSE PROXIMITY	51004
INTERACTIVE GRAPHICS:	
INPUT DEVICES FOR	50444
INTEREST RELATIONSHIPS:	51513
INTERFEROMETRY:	
SPECKLE PATTERN OF	51182
INTERNAL-COMBUSTION ENGINES:	
WATER EMULSIFIED FUEL USE:	51625

IRON ORE:	
CARGOES:	51662
IRON TANNATE:	
FORMATION AND PROTECTIVE ROLE OF	50380, 50381
ISRAEL SHIPYARDS:	
REPAIR DOCK	51013
ISRAELI SHIPPING INDUSTRY:	51255

J

J VALUES (VIRTUAL MASS REDUCTION-FACTORS)	51908
JASTRAM RUDDER-ROTOR:	51925
JETLIFT RECOVERY:	
OF RAW MATERIALS FROM SEA	51322
JETTY/SHIP INTERACTIONS:	
IN CURRENT	51275
JOB ANALYSIS:	
OF MOBILE OFFSHORE DRILLING UNIT OPERATIONS:	51680, 51681
JOINING:	
OF COPPER AND COPPER-NICKEL CLAD STEELS	49909
JOINTS:	
TUBULAR:	
FILLET STRESSES IN.	51486

K

KEEL LINE:	
NONLINEARITY TOLERANCES	50144
KG MARGIN VALUES:	
FOR U.S. NAVY	50443
KURTOSIS:	
VIBRATION MEASUREMENT	50721

L

LAMELLAR TEARING:	
IN STEEL PLATES.	51342
LANSKI:	
PLANNED IMPROVEMENTS TO	51023
LASER BEAMS:	
FOR BORING OF STERN TUBES	50482
LASER RADIATION HAZARDS:	49953
LASER-VELOCIMETRY:	
FOR FLOW-FIELD MEASUREMENTS	51371
LASERS:	
ALIGNMENT BY	51211
VIBRATION MEASUREMENT	50727
LAUNCHING:	
COMPUTER-BASED CALCULATIONS	49938
MODEL TESTS ON	51362
OF LIFEBOATS	50029
OF PRODUCT CARRIER IN TWO SECTIONS	50140
LAUNCHWAYS:	
LOADING CALCULATION:	51561
PRESSURE CALCULATIONS	51950
LEAK DETECTORS:	
ACOUSTICAL VALVE	51450

LEARNING:		
IN SHIPBUILDING.		50320
LEWIS FORM FIT:		51932
LIFTING-BEAMS:		
SAFE DESIGN OF		49950
LIGHTING:		52029
BRIDGES		50394
LINE STRUCTURES:		
UNDERWATER		50962
LITTON MTAS-1000 MARINE TREND ANALYSIS SYSTEM:		50547
LOAD ANALYSIS:		
ELECTRICAL		50949
LOAD MEASUREMENT:		
METHODS AND PRACTICE FOR		51180
LOAD MOVEMENT:		
LATERAL		51012
LOAD TRANSDUCERS:		
AND EXTENSOMETRY		51180
LOADING MANUAL:		
CALCULATION METHOD FOR		50015
LOADS:		
SHIP-STRUCTURE		51172
LOCK TRANSIT TIMES:		
IN WELLAND CANAL		50215
LONGITUDINAL STRENGTH:		
SHIPBOARD CHECKING		49924
LUBRICANTS:		
FOR CROSSHEAD ENGINES		50519
MICROBIAL DEGRADATION OF		51779
LUBRICATING OILS:		
MONITORING OF		50545
SEPARATOR TREATMENT		51808
LUBRICATION:		
AND PISTON RING DYNAMICS		49988
CYLINDER:		
MONITORING OF		49986
OIL CIRCULATION AND CONSUMPTION WITH		49987
OF PISTON-RINGS.		50520, 51783

M

MACHINERY:		
AUXILIARY:		
GAS TURBINES		51775
NOISE OF		50564
PROPULSION:		
ARCTIC VESSEL		50968
COGAS:		51788
FOR MERCHANT VESSELS:		51629
COMPUTER SIMULATION OF DYNAMIC PROCESSES		51998
CONVECTIVE HEAT TRANSFER		51628
DEFECTS STATISTICS.		51239
DIESEL:		
ENERGY SAVING		51420
DIESEL-ELECTRIC:		51433
IN "ACADIAN MARINER"		51150

MACHINERY:DIESEL ELECTRIC:-CONTINUED		
IN FISHERIES PROTECTION VESSEL 'MEERKATZE'		50431
IN FLOATING CRANE 'VITYAZ'		51960
IN ICEBREAKER 'ALMIRANTE IRIZAR'	51151,	49894
IN PILOT VESSELS 'MIRFAK', 'MENKAR', AND 'MARKAB'		51693
IN TUG 'KATMAI BAY'		51976
MODULAR HIGH-RPM		51976
OPERATING COSTS		51620
ECONOMIC AND TECHNICAL FACTORS:		50875
EDISIM PROGRAM		50517,
ELECTRIC:		51431
D.C. SUPERCONDUCTIVE		50522,
FOR ICEBREAKERS		51432
PODDED		51034,
SEGMAG		50865,
SUPERCONDUCTIVE		50867
WATER-COOLED		51421
FAILURES DATA BANK		50693
FOR FRIGATE		50692
FOR NAVAL VESSELS		49967
FOR SMALL FAST WARSHIPS		50168
FOR SUBMERSIBLES		51620
FUTURE:		50863
HYDRAULIC TRANSMISSION		51769
INTEGRATED		
INTEGRATED:		51770
KAWASAKI SUPER ECONOMICAL		51630
LIGHTWEIGHT:		50692
LIGHTWEIGHT SYSTEMS		51094
SIMULATORS		51989,
SINGLE-SCREW MERCHANT-SHIP REQUIREMENTS		51990
STANDARDS:		51621
STEAM-TURBINE		50870
THERMAL FATIGUE OF COMPONENTS	50270	
WIND		51795
MACHINING:		
ABRASIVE		50488
MAINTENANCE:		
CONTROL BY USED-OIL ANALYSIS		50189
DATABANK	51804,	51805
DISTURBED		51763
IN-WATER:	51651,	51652
MECHANICAL SYSTEMS		51820
MONITORED		50532
MONITORING AND PREVENTIVE		50532
OF AUTOMATED PROPULSION PLANTS		50529
OF DOXFORD 58JS3 ENGINE		51032
PLANNED	50530,	50531
PREVENTIVE	50533,	50537,
SHIPBOARD		51056
STATISTICAL PREVENTIVE		50532
TRIDENT SUBMARINE SYSTEM		50708
UNDERWATER		51826
UNDERWATER TOOLS		50592
U.S. MERCHANT MARINE	50706,	50707
WATERBORNE		51826
MANAGEMENT INFORMATION:		
AND CONTROL SYSTEMS		49940

MANGANESE NODULE MINING:	50600, 50958
MANGANESE NODULE MINING CONSORTIA:	50418
MANGANESE NODULE TRANSPORT SHIPS:	50247
MANGANESE NODULES:	
DEEP OCEAN MINING	50409
MECHANICAL COLLECTORS FOR	51501
UNDERWATER MINING	50218
MANIPULATOR DEVELOPMENT:	
UNDERSEA	50957
MANNING OF TECHNICALLY ADVANCED SHIPS:	52002
MANOEUVRABILITY:	
ADAPTIVE FILTER FOR IDENTIFICATION OF	50033
AND COLLISION AVOIDANCE	50032
EXPERIMENTAL STUDY	50838
IN STOPPING BY REVERSE ROTATION OF PROPELLER	51919
MATHEMATICS	50672
MODEL TESTS ON	50998
OF FISHING VESSELS	51401
OF LARGE SHIPS	51928
SIMULATORS	51097
MANOEUVRING:	
AIDS TO	49996
COLLISION AVOIDANCE BY	50031
CONTROL DURING REPLENISHMENT AT SEA	50396
DRIFT ANGLE IN	50468
HUMAN FACTORS IN	52027
IN CONFINED WATERS	50839
MATHEMATICAL MODEL OF	51349
MODELLING OF	50839
OF HIGH SPEED SHIPS WITH ROLL MOTION	51710
OF SEMI-SUBMERGED PLATFORM KAIMALINO	50100
OF SUPERSTRUCTURE VESSELS	50022
OPTIMUM CONTROL THEORY	51103
SIMULATOR	51096
MANOEUVRING AID:	
SCHOTTEL BOWJET	50332
MANOEUVRING DERIVATIVES:	
OF SHIP MODELS	50467
MANOEUVRING TESTS:	
ON CONTAINER-SHIP MODELS	50473
TANKER TUG	51676
MANOEUVRING TRIALS:	
COMPUTER SIMULATION	51776
MANUALS:	
MACHINERY OPERATION	51823
MARINE ENGINEERING:	
ENERGY AGE	51016
MARINE GROWTH PREVENTING SYSTEM (MGPS):	51300
MARKET ASSESSMENT:	
FOR DEVELOPING COUNTRIES:	51641, 51642, 51643
MARKETING AND SHIPBUILDING:	51703
MARKETS:	
SHIPPING INDUSTRY:	51511
MATERIALS:	
AND STRUCTURAL REQUIREMENTS	50976
DYNAMIC PROPERTIES OF	50641
MATERIALS HANDLING:	
AT SEA	50958

MATHEMATICAL MODELS:	
BUILDING BERTH PRESSURES	51723
CONTROL TECHNIQUES FOR LINEAR SYSTEMS	49900
MIDSHIP SECTION GEOMETRY	49913
MECHANICAL SYSTEMS:	
MAINTENANCE	51820
RELIABILITY	51820
MEMBRANE AND PLATE BENDING ELEMENTS:	50260
METAL FRACTURE:	
IGNITION OF GASES DUE TO	51671
METAL SPRAYING:	
ALUMINIUM WIRE:	51658
METHANOL PRODUCTION PLANT:	
BARGE-MOUNTED	51313
MICROPROCESSORS:	
16-BIT SYSTEM APPLICATIONS	50357
FOR CONTROL SYSTEM	50552
MARINE APPLICATIONS OF.	50556
MILITARY VEHICLES:	
WEIGHT DISTRIBUTION CATEGORISATION FOR	50969
MIMOSA TANNIN WASH-PRIMER TREATMENT:	
FOR STEEL	50380, 50381
MINERAL FIBRE:	
SPRAYED:	51608
MINERAL INDUSTRIES:	
AND SHIPPING INDUSTRY	50735
MINERALS:	
DEEP OCEAN RECOVERY	50047
MINING:	
DEEP OCEAN	50047, 50419, 50420
DEEP OCEAN REQUIREMENTS	50409
JETLIFT PROCESS.	51322
MANGANESE NODULE CONSORTIA	50418
OF MANGANESE NODULES	50218, 50247, 50600, 50958
OFFSHORE	50927
MLOFT SYSTEM:	51020
MODAL SYNTHESIS TECHNIQUES:	50626
MODEL TESTS:	
COLLISION:	51101
SIMULATION OF	50257
CORRELATION WITH FULL-SCALE RESULTS:	
SPEED TRIALS:	51577
EFFECT OF WATER DEPTH AND SPEED ON MANOEUVRING DERIVATIVES	50467
IN NATURAL ENVIRONMENT.	50478
ON BOW THRUSTER.	51405
ON BRAKE WHEEL	50872
ON BRAKING EFFECT OF GRIDS	50650
ON BULK CARRIER WITH TOPSIDE TANKS	51345
ON CABLE REPAIR VESSEL.	51708
ON CONTAINERSHIP SL-7	49914
ON CONTRA-ROTATING PROPELLERS.	51380
ON DAMPED ROLLING MOTION	50132
ON DOUBLE-BOTTOM STRENGTH FOR STRANDING	50075
ON HULL COATINGS	51720
ON HULL FORM OF FISHING BOATS.	51924
ON HYDRODYNAMICS OF PROPELLER BLADE VIBRATIONS	51389

MODEL TESTS:-CONTINUED

ON ICE OPERATION	50685
ON ICEBREAKERS	50847
ON ICEBREAKING MERCHANT SHIPS	50438
ON IMPULSIVE WATER PRESSURES ACTING ON BOTTOM	50841
ON LAUNCHING	51362
ON MANOEUVRABILITY	50998
ON OFFSHORE PLATFORMS	51294
ON OFFSHORE STRUCTURES	51290, 51291, 51292
ON PLANING HULLS	50306
ON RESISTANCE AND SINKAGE IN PANAMA CANAL	51590
ON ROLL STABILITY	50849
ON SEAKEEPING OF AIRCRAFT CARRIERS	50293
ON SEMISUBMERSIBLE MODELS UNDER WIND AND WAVE LOADING	50946
ON SHIPPING WATER IN WAVES	50116
ON SHIPPING WATER PRESSURE ON DECKS	50115
ON SPRAY DRAG	51360
ON SUBMERGED VEHICLES	51594
ON SWATH SHIP FORM	50097
ON TANKER VISCOUS RESISTANCE	51377
ON VISCOUS RESISTANCE	51586
ON YAWING MOTIONS	50844
SIMULATION OF OCEAN VEHICLES	51639
SL-7 SHIP MODEL STRUCTURAL TESTS	49904
STOCHASTIC METHODS	50478
VELOCITY MEASUREMENT IN WAKE	50684
WAKE SIMULATION IN	51938
WAKE SURVEY	50991
MODELLING:	
FUNDAMENTALS OF:	51527
OF STRUCTURAL BEHAVIOUR FROM FREQUENCY RESPONSE DATA:	51829
MODELS:	
ACCOMMODATION SPACE	50149
MANUFACTURE OF	51181
PRODUCTION PLANNING	50150
SHIP:	
FORM FACTOR AND METHODS OF ITS DETERMINATION	50131
FRICTIONAL RESISTANCE AND WAVE-MAKING RESISTANCE RELATIONSHIP	50131
STEEL:	
STRUCTURAL TESTING OF	51179
SYNTHESIS	50805
MOIRE FRINGES:	
FOR STRAIN MEASUREMENT	51182
MOMENT OF INERTIA:	
DURING ROLLING OF SMALL VESSELS IN SHALLOW WATER	49926
HYDRODYNAMIC MASS	51002
MONITORING:	
CONDITION:	
FAILURE PREDICTION BY:	51566
DIESEL ENGINES	51821
FLEXURE:	51567
HULLS	51104
MACHINE-CONDITION	51053
MAINTENANCE	50532
OF CORROSION IN OFFSHORE INSTALLATIONS	50559
OF DIESEL ENGINES	50540, 50541, 50542, 50543, 50544
OF ELECTRIC MOTORS	50555
OF HULL PROTECTION SYSTEM	50535

MONITORING:-CONTINUED	
OF LUBRICATING OILS	50545
OF OFFSHORE STRUCTURES	50591, 51497
OF RELIQUEFACTION PLANTS	50536
OF ROTATING MACHINERY	51067
OF STEAM TURBINES	50546, 50547, 50548
OF TORSIONAL VIBRATION	50534
OF TWO-STROKE DIESEL ENGINES	50539
REVIEW OF TECHNIQUES	50549
VERSATILE CONSOLE CONCEPT	51817
MOORED VESSELS:	
EFFECT OF PASSING VESSELS	51942
MOORING:	
AT OPEN-SEA BERTH TERMINALS	50597
COMPUTER PROGRAMS	50774
DYNAMIC TENSION OF MOORING LINES	50122
MECHANICS OF	50764
MOORED FLOATING BODY MOTIONS	50122
OF TANKERS TO OFFSHORE TERMINALS	50587
SINGLE-POINT:	
DYNAMIC RESPONSE OF	50407
LNG	50408
STATION-KEEPING RESPONSE:	51679
MOORING LINES:	
NON-METALLIC AND WIRE ROPE	50936
MOORING SYSTEMS:	
IMODCO	50404
RELIABILITY OF	50935
MOORINGS:	
FOR LARGE FLOATING STRUCTURES	52037
SINGLE-POINT:	50018, 50923
BEHAVIOUR ANALYSIS	51128
MULTI PALLET LOADER:	51154

N

NANSEN ICE DRIFT PROJECT:	51632
NATIONAL SHIP DEVELOPMENT PROGRAMME:	50252
NATURAL FREQUENCIES:	
OF MODEL SPLIT INTO SUBSTRUCTURES	50971
OF SUPERSTRUCTURE DECKS	51896
NATURAL GAS:	
LIQUEFACTION ON FLOATING STRUCTURES	50421
LIQUEFIED:	51268
ARCTIC PROJECT	51077
CARGO SIMULATOR	51079
CARGOES:	51662
CHANTIERS DE L'ATLANTIQUE TRANSPORTATION	51081
FLOATING PRODUCTION AND STORAGE FACILITIES	51271
FLOATING TERMINAL	50404
LEGAL ASPECTS	50742
MARINE TRANSPORTATION OF	51272
OFFSHORE HANDLING	51286
PRESENT STATUS AND LONG-TERM TRADE PROSPECTS	50364
TRANSPORTATION OF:	51669
VAPOUR DISPERSION FROM CATASTROPHIC SPILLS	50744
MARINE TRANSPORTATION	50904

NAVAL ARCHITECTURE:	
CALCULATIONS:	51521
SYSTEMS THEORY IN	51939
NAVIGATION:	
EFFECTS OF HYDRODYNAMIC INTERACTION	51411
ICE PROBLEM	50438
IN ICE:	
BY "LUNNI"-CLASS TANKERS	51477
TECHNOLOGY CONFERENCE	50917
NAVIGATION EQUIPMENT:	
ELECTRONIC:	51678
NAVIGATION INFORMATION SYSTEM:	50017
NAVIGATION SYSTEM, 'BRIZ-1'	50398
NETT PRESENT VALUE:	51420
NICKEL:	
CORROSION-RESISTING PROPERTIES OF	49908
NICKEL ALLOYS:	
CORROSION-RESISTING PROPERTIES OF	49908
NINIAN FIELD:	
SOUTHERN PLATFORM	50913
NITINOL 'SHAPE MEMORY' ALLOYS	51419
NITRATE STRESS CORROSION:	
OF MILD STEEL:	51733
NOISE:	
CAVITATION:	49916, 51576
DIESEL-ENGINE	51065
FROM HYDRAULIC CIRCUITS	50565
OF FANS	51261, 51267
OF MACHINERY	50564
ON TANKERS	52008
STRUCTUREBORNE	50205
NOISE ABATEMENT ON SHIPS:	52009
NOISE CONTROL:	
IN SHIPS:	50384, 51660
IN SHIPS AND MARINE STRUCTURES	50006
MACHINERY	51063
SHIPYARDS	51064
STEAM TURBINES	51066
NOISE EXPOSURE:	
MEASUREMENT OF	51729
NOISE MEASUREMENT:	
AND ASSESSMENT	50007
NOISE REDUCTION:	
FANS	50726
IN SHIPS:	51660
IN TANKER "MOBIL JADE"	50385, 50386
MACHINERY	51730
NOISE SURVEYS:	
TRAINING FOR	51739
NOISE TRANSMISSION:	
STRUCTURE-BORNE.	51069
THROUGH SHIP STRUCTURES	50205
NON-METALLIC MATERIALS:	
BURNING CHARACTERISTICS OF	49911
NORTH SEA:	
WAVE CLIMATE IN.	50582
NOZZLES:	
AXISYMMETRIC	50654

NUCLEAR FUEL ELEMENTS:	
EXCHANGE OF	51042
NUCLEAR POWER STATIONS:	
IN OCEAN	51129
NUCLEAR PROPULSION:	
CARGO VESSEL "MUTSU"	50401
DECOMMISSIONING PROCEDURE	51043
ENVIRONMENTAL IMPACT ANALYSIS	51102
FOR CONTAINERSHIPS	51039
GUIDED-MISSILE CRUISER	50671
GUIDED-MISSILE STRIKE CARRIER	50662
OF MERCHANT VESSELS	51044
OF ORE CARRIER OTTO HAHN	51042
OF TANKERS	51040, 51041
PROTECTION BARRIERS FOR	50258
SHIELDING MODIFICATION AND SAFETY REVIEW	50401
VIABILITY OF	51047
NUCLEAR REACTORS:	
ADVANCED GAS-COOLED	51048

O

OCEAN ENERGY SOURCES:	50767
OCEAN PLATFORM SYSTEMS:	
OTEC, SEE OCEAN THERMAL ENERGY CONVERSION	
OCEAN THERMAL ENERGY CONVERSION (OTEC):	50761, 50762, 50770, 50771, 50773 50951, 50952, 50953, 50954, 50955 52006, 52007
OCEANOGRAPHIC DATA:	
FOR LOAD DETERMINATION	50595
OFFSHORE INDUSTRY:	
REVIEW OF	50881
OFFSHORE PATROL SERVICE:	50881
OFFSHORE STRUCTURES:	
DESIGN CRITERIA	50584
OIL CIRCULATION:	
AND CONSUMPTION WITH CYLINDER LUBRICATION	49987
OIL DETECTION:	
IN WASTE WATERS	50760
OIL FILMS:	
THICKNESS MONITORING	51623
OIL-MIST DETECTORS:	51994
OIL POLLUTION:	
PREVENTION MEASURES	51798
TRAFFIC MANAGEMENT STUDY	51136, 51137, 51138
OIL-RECOVERY VESSELS:	50613
OIL SPILL SKIMMERS:	
PERFORMANCE TESTS	51846
OIL SPILLAGE:	
COLLECTION VESSEL	49896
ESTIMATION OF	52034
FROM TANKER SINKINGS	51281
RECOVERY OF	51282
SHIPYARD	51724
OIL STORAGE:	
FLOATING SYSTEMS	51135
OIL/WATER LOADING SYSTEM:	51835

OIL-WATER SEPARATION:	51109
OIL-WATER SEPARATION SYSTEMS:	50757
OILS:	
CROSSHEAD ENGINE	50519
OPENINGS:	
COAMING REINFORCED, STRESS CALCULATION FOR	51186
STRESS CONCENTRATIONS AROUND	50465
OPTIMISATION:	
FUNDAMENTALS OF:	51527
OPTIMISATION TECHNIQUES:	51528, 51529, 51530, 51531
ORES:	
CARGOES:	51662
OTEC:	
ENERGY UTILIZATION	51124
OCEAN PLATFORM SYSTEMS.	50951, 50952, 50953, 50954, 50955
PLATFORMS	51123, 51131
SURVEY	51122
SYSTEMS	51125
OXIDATION:	
OF TITANIUM ALLOYS	50085
OXSYS SYSTEM:	50834

P

PAINT PERFORMANCE MONITORING:	50003
PAINT SELECTION:	
AND MAINTENANCE:	
PROGRAMMING:	51645
PAINTING:	
DEVELOPMENTS IN.	50560
STATE-OF-THE-ART	50560
PAINTS:	
ANTICORROSIVE	51455
ANTIFOULING:	50197, 50376
TAKATA LLL	50377
APPLICATION:	
AS FUNCTION OF PERFORMANCE:	51655
BEHAVIOUR IN AQUEOUS MEDIUM	51453
COST FACTORS:	51646
EFFECT OF CATHODIC PROTECTION OF	50379
FOR HULL PROTECTION	51452
FOR OFFSHORE INDUSTRY	50367
MATERIAL FLOW	50710
OLEORESINOUS	50197
PERMEABILITY AND PROTECTIVE CAPACITY.	51454
PRIMERS:	
INFLUENCE ON STEEL CORROSION	52004
MIMOSA TANNIN	50380, 50381
TRAINING MANUAL.	51659
ZINC-DUST	52003
ZINC-RICH	50714
PANAMA CANAL:	
RESISTANCE AND SINKAGE TESTS:	51590
PASSENGER EVACUATION SIMULATION:	52024
PETROLEUM GAS:	
LIQUEFIED:	
CARGOES:	51662
WORLD TRADE FORECAST AND IMPLICATIONS	50390

PHOTOELASTIC TESTS:						51486
FILLET STRESSES IN TUBULAR JOINTS	.	.	.	.	.	
PHOTOELASTICITY:						51181
APPLICATIONS OF.	.	.	.	.	.	51181
STRESS AND STRAIN MEASUREMENT BY PIERS:						
LAYOUT AND DESIGN OF FLOATING.	.	.	.	.	.	51321
PILES:						
HYDRODYNAMIC FORCES ON.	.	.	.	.	.	51275
WAVE FORCES ON:.	.	.	.	.	.	51682
PIPE-FITTING:						
ALIGNMENT SYSTEM	.	.	.	.	.	51212
PIPELINE COMPONENTS:						
CORROSION IN SEAWATER SYSTEMS.	.	.	.	.	.	50176
PRODUCTION CHARACTERISTICS OF.	.	.	.	.	.	50177
RELIABILITY OF .	.	.	.	.	.	50178
PIPELINES:						
BIBLIOGRAPHY	.	.	.	.	.	50766
CORROSION CONTROL	.	.	.	.	.	50374
OFFSHORE:						
BIBLIOGRAPHY	.	.	.	.	.	50961
REPAIRS TO	.	.	.	.	.	50039
SAFETY PRACTICES	.	.	.	.	.	50225, 50226
(SPM)/SUBMARINE SYSTEMS	.	.	.	.	.	50900
SUBMARINE:						
WELDED STEEL	.	.	.	.	.	51852
TRANS-ALASKA	.	.	.	.	.	51449
VIBRATION OF	.	.	.	.	.	50724
WELDING OF	.	.	.	.	.	50044
PIPES:						
CORIOLIS FORCE AND FLOW IN	.	.	.	.	.	50180
GLASS-REINFORCED PLASTIC:						
IN TANKS	.	.	.	.	.	50255
THICKNESS VARIATION EFFECT ON BEHAVIOUR	.	.	.	.	.	50450
PIPEWORK:						
CORROSION PROTECTION:	.	.	.	.	.	51649
PIPING:						
BALLAST:	.	.	.	.	.	51635
BILGE:	.	.	.	.	.	51635
STRESS ANALYSIS AND EVALUATION	.	.	.	.	.	50981
PIPING SYSTEMS:						
FOREIGN BODIES IN	.	.	.	.	.	50354
HIGH-TEMPERATURE STEAM.	.	.	.	.	.	51809
IN SPECIALIST SHIPS	.	.	.	.	.	51800
PISTON RING DYNAMICS:						
AND LUBRICATION.	.	.	.	.	.	49988
PISTON-RING RADIAL PRESSURE DIAGRAM:	.	.	.	.	.	50164
PISTON RINGS:						
CAST IRON	.	.	.	.	.	50165
LUBRICATION OF	.	.	.	.	.	50520, 51783
PERMANENT SET OF	.	.	.	.	.	50165
SPRAYED COATINGS FOR	.	.	.	.	.	51049
WEAR OF	.	.	.	.	.	50165
PISTONS:						
ALUMINIUM:						
OXY-HARDENING	.	.	.	.	.	51790

PISTONS:-CONTINUED	
DAMAGE AVOIDANCE	50524
FORCED OIL COOLING	51758
PLANNING:	
PROGRAMMES:	51606
PLANNING SYSTEMS:	
FLEET MANAGEMENT	50361
PLASTIC BEHAVIOUR:	
OF RECTANGULAR PLATES AND BEAMS	50625
PLASTIC ELASTICITY:	
ALGORITHM FOR CALCULATION OF	50090
PLASTICS:	
GLASS-FIBRE REINFORCED:	
HIGH-MODULUS	50256
GLASS-REINFORCED:	
FOR PIPES IN TANKS.	50255
LARGE-SHIP FEASIBILITY	50447
SUBMERSIBLES	50979
PLATE BENDING ELEMENTS:	50260
PLATES:	
BENDING:	
MULTIPLE-PUNCH	50689
STEEL:	
BUTT JOINTS.	50818
FROM CONTINUOUSLY CAST SLABS	50928
STIFFENED:	
COMPRESSIVE STRENGTH OF	50073
IN ULTIMATE LIMIT STATE	50269
STORAGE AND PRELIMINARY FABRICATION AREA DESIGN	50481
THERMO-MECHANICAL FORMING BY STRIP INDUCTION-HEATING METHOD	49946
PLATFORMS:	
FLOATING:	
"ARDJUNA SAKTI"	50624
"BURTON ISLAND":	51632
"KAIMALINO"	51922
PNEUMATICALLY-OPERATED.	50146
SEACON OCEAN CONSTRUCTION:	51510
SEMI-SUBMERSIBLE	50034
SNORKEL-TYPE SLEWABLE	50611
PLATING:	
DAMAGE ESTIMATES FOR	50625
SHIP:	
COLLAPSE LOAD OF	51176
STIFFENED:	
UNDER BENDING LOADS	51705
POLARISCOPE TECHNIQUES:	51181
POLLUTION:	
AND CRUDE OIL LOSSES	50909
EXHAUST-GAS	51283
IMCO REQUIREMENTS	50908
IN OFFSHORE OPERATIONS, ENVIRONMENTAL	50958
OIL:	51678
PREVENTION MEASURES	51798
TRAFFIC MANAGEMENT STUDY	51136, 51137, 51138
POLYESTER RESINS:	
HIGH-MODULUS REINFORCEMENTS	50256
POLYMERS:	
EFFECT ON HYDROFOIL LIFT	51711

POLYURETHANE HULL COATINGS:	.	.	.	.	.	51720
PONTOONS:						
SYSTEM ANALYSIS OF	.	.	.	.	.	50250
PORTS:						
CAPACITY AND ECONOMICS:	.	.	.	.	.	51518
DATABASE CITATIONS	.	.	.	.	51112,	51113
SHIPPING-CHANNEL DIMENSIONS	.	.	.	.	.	50906
POSITION MEASURING SYSTEM	.	.	.	.	.	50214
POSITIONING:						
DYNAMIC:	.	.	.	.	.	50601
RESEARCH AND DESIGN PROBLEMS	.	.	.	.	.	51502
POSITIONING SYSTEMS:						
DYNAMIC	.	.	.	.	.	50224
POWER:						
FROM THE SEA	.	.	.	.	.	50959
POWER PLANT MASS:						
AND COST EFFECTIVENESS.	.	.	.	.	.	50162
POWER PREDICTION:						
STATISTICAL METHOD	.	.	.	.	.	49917
POWER SERVICE MARGIN:						
SELECTION	.	.	.	.	.	50869
POWER STATIONS:						
OFFSHORE PLANT	.	.	.	.	.	50412
POWER TRANSMISSION:						
FOR HYDROFOIL SHIPS	.	.	.	.	.	50153
SPLIT-SYSTEM HYDRAULICS	.	.	.	.	.	49965
PRESSURE DISTRIBUTION:						
EFFECT OF FRICTION	.	.	.	.	.	50652
MEASUREMENTS OF.	.	.	.	.	.	51351
OVER SURFACE OF SOLID VIBRATING WITHIN SEMI-COMPRESSIBLE FLUID	.	.	.	.	.	49936
PRESSURE LOADS:						
ON PLANING HULLS	.	.	.	.	.	51192
PRESSURE VESSELS:						
VALVES FOR	.	.	.	.	.	51277
PROCESS PLANTS:						
FLOATING	.	.	.	.	.	51312
PRODUCTION:						
DESIGN FOR:	.	.	.	.	.	51557
MATHEMATICAL MODELLING.	.	.	.	.	.	50859
OF STEEL SECTIONS	.	.	.	.	.	50860
PRODUCTION CAPACITY:						
OPTIMUM CALCULATION OF.	.	.	.	.	.	50151
PRODUCTION EFFICIENCY CRITERIA:	.	.	.	.	.	50159
PRODUCTION PLANNING:						
AND CONTROL	.	.	.	.	.	50136
PRODUCTION PLANNING MODELS:	.	.	.	.	.	50150
PRODUCTIVITY:						
MEASUREMENT OF	.	.	.	.	.	51014
PRODUCTIVITY IMPROVEMENT:						
IN SHIPYARDS	.	.	.	.	.	49941
PROFILES:						
STORAGE AND PRELIMINARY FABRICATION AREA DESIGN	.	.	.	.	.	50481
PROPELLER ALLOYS:						
CORROSION FATIGUE OF	.	.	.	.	.	51382
DESIGN STRESSES AND FATIGUE DATA FOR.	.	.	.	.	.	51384
PROPELLER BLADE TIPS:						
LIFTING-SURFACE THEORY.	.	.	.	.	.	51913

PROPELLER-BLADE VIBRATIONS:	
HYDRODYNAMICS OF	51389
PROPELLER BLADES:	
BOLTED ATTACHMENT OF	51806
FATIGUE FAILURE IN	51383
HYDRODYNAMIC LOAD ON	51913
NUMBER SELECTION	50661
STRENGTH OF	51394
VARIABLE-PITCH:	
TRUNNION FOR	51386
UNSTEADY AND TIME-AVERAGE LOADS	51385
PROPELLER/BODY COMBINATION FLOW:	51355
PROPELLER/DUCT INTERACTIONS:	51390
PROPELLER EXCITING FORCE:	
ESTIMATION METHOD FOR	51911
PROPELLER FORCES:	
COMPUTATION OF UNSTEADY	50850
PROPELLER SHAFT INTERFERENCE FITS:	
DURABILITY	50156
PROPELLER SHAFTS:	
BEARING REACTION PROGRAMS MGE 2 AND MGE 5	51037
BENDING DUE TO HYDRODYNAMIC FORCES	51920
BRACKETLESS	51334
COST EFFECTIVENESS OF	50167
DEVELOPMENT AND SERVICE PERFORMANCE	51714
INFLUENCE OF PROPELLER MEAN LOADS ON ALIGNMENT OF	51400
TRANSVERSE DYNAMICS TEST-RIG	50567
VIBRATION OF	51265
WHIRLING	51765
PROPELLER SKEW:	
OPTIMISATION OF	51907
PROPELLER THRUST:	
DUE TO TURBULENT INFLOWS	50471
PROPELLER THRUST AND TORQUE:	
FOR DIFFERENT MODES OF SHIP OR MODEL OPERATION	50128
PROPELLER VIBRATIONS:	
HYDRODYNAMIC REACTIONS TO	51909
PROPELLERS:	
BLADE NUMBER FOR BULK CARRIER	50661
CONTRA-ROTATING:	
DESIGN AND USE IN HIGH-SPEED CRAFT	51391
HYDRODYNAMIC CHARACTERISTICS OF	50130
MODEL TESTS ON	51380
DESIGN:	51574, 51719
AND FABRICATION	50853
AND FABRICATION DATA BASE CITATIONS	51028, 51029
AXISYMMETRICAL NOZZLES	50654
COMPUTER PROGRAM	50653
HIGHLY SKEWED	50666
HYDRODYNAMIC CHARACTERISTICS	50653
INSTALLATION, SURVEY AND REPAIR OF	51392
TRENDS	51767
WAGENINGEN B-SERIES POLYNOMIAL COEFFICIENTS:	51584
DEVELOPMENT AND SERVICE PERFORMANCE	51714
DEVELOPMENT OF	51767
DUCTED:	51202
OFF-DESIGN PERFORMANCE ANALYSIS OF	51381

PROPELLERS:-CONTINUED

FIXED PITCH		51107
FOR HIGH-PERFORMANCE CRAFT	50104,	50123
FOR HOVERCRAFT AND HYDROFOILS.		51774
FOUR-BLADED:		
WITH UNEQUAL ANGLES		51911
FULL-SCALE EXPERIENCE RELATING TO		51387
HIGHLY-SKEWED		51196
HUB-BLADE INTERACTION		51393
HYDRODYNAMIC FORCES INDUCED BY		51920
INFLUENCE OF DIFFERENCES OF PITCH BETWEEN BLADES		50472
INFLUENCE OF MEAN LOADS ON PROPULSION SHAFT ALIGNMENT		51400
INTERACTIVE SURFACE ADJUSTMENT OF		51027
LARGE-DIAMETER LOW-SPEED		51234
LARGE-DIAMETER SLOW-REVING		50660
LIFTING SURFACE THEORY.		49919
LIFTING-SURFACE THEORY FOR SOLUTION OF STEADY AND UNSTEADY FLOW - PROBLEMS		50305
LOSSES DUE TO TWISTING OF FLOW OF IDEAL LOW-LOADED.		49925
MAU TYPE:		
CAVITATION CHARACTERISTICS OF	49930,	49931
NON-STATIONARY LOADING, IN INCLINED FLOW		50476
OPEN-WATER PERFORMANCE IN INCLINED FLOW		50099
OPTIMUM DESIGN		51197
PERFORMANCE CHARACTERISTICS OF		51716
PERFORMANCE DETERMINATION		50839
PITCH CONCEPT		50472
POINCARÉ EQUATION FOR DESIGN AND ANALYSIS OF		50301
RACING CONDITION IN WAVES:		51598
REPAIR OF:		
LABOUR CONTENT		50861
REVERSE ROTATION		51919
SCHOTTEL RUDDER.		50793
SERVICE-ADAPTED.		51719
SLOTTED NOZZLES.		51716
SOLID:		
EMERGENCY-STOP PROBLEMS		50160
TANDEM:		
OPEN-WATER PERFORMANCE		50101
TERMS USED:		51539
TWO-PITCH		51031
ULTRASONIC TESTING OF		51395
VARIABLE PITCH:		
CAVITATION PERFORMANCE		50676
DESIGN OF		51194
DEVELOPMENTS		51766
FOR RO/RO CONTAINERSHIPS		51030
FOR SMALL FAST WARSHIPS AND PATROL CRAFT		49970
HIGHLY SKEWED		51347
HUB SIZE SELECTION CRITERIA		50986
LIAAEN S-80/90		51435
OFF-DESIGN OPERATING CONDITIONS		51963
OPTIMUM OPERATING CONDITIONS		51435
RELIABILITY STUDY AND FIXIT PROGRAMS		51759
REVERSIBLE		50514
THYRISTOR CONTROL FOR		51448
VERTICAL-AXIS:		51451
VOITH-SCHNEIDER.	50611,	51879

PROPELLERS:-CONTINUED	
VOITH-SCHNEIDER CYCLOIDAL	50794
WAKE-ADAPTED:	
DESIGN:	51575
PROTEUS (PROPULSION RESEARCH AND OPEN-WATER TESTING OF EXPERIMENTAL UNDER-WATER SYSTEMS)	50676
PUMPING SYSTEMS:	
IN SPECIALIST SHIPS	51800
STOP VALVES IN	51240
PUMPS:	
BALLAST:	51635
BILGE:	51635
BOILER FEED	51971
CARGO-HANDLING:	51667
CARGO OIL	51802
CRYOGENIC:	51668
DEEPWELL:	51668
FOR OFFSHORE OIL INSTALLATIONS:	51636
HIGH-PRESSURE WATER:	51657
SUBMERGED:	51668
VARIABLE-SPEED:	51447
WATER-JET:	51610

Q

QUALITY ASSURANCE:	
CONSOLES, ASSEMBLIES AND UNITS	51816
IN UNDERWATER WELDING REPAIRS.	51494
QUALITY CONTROL:	
AND WELDING DEFORMATIONS	51418
FOR DIESEL ENGINES	50335
IN BOAT BUILDING	49910

R

RADAR:	
INTERFERENCE CONSIDERATIONS	51440
RADIATION HAZARDS	50395
RADIATION HAZARDS:	
LASER	49953
RADAR	50395
RADIATION PROTECTION:	
STANDARDS FOR MICROWAVE AND RADIOFREQUENCY	51439
RADIO:	
RADIATION HAZARDS	50395
RADIO COMMUNICATION:	
HIGH-FREQUENCY SINGLE SIDE-BAND (HF-SSB)	50397
RADIO EQUIPMENT:	
INSTALLATION OF	51445
RAIL-CAR CARGO STOWAGE:	
AND SECURING	50207
RAMPS:	
PIERSIDE LOADING	51076
STERN:	
NAVIRE ANGLED	50605
RAUREP MK.II CARGO TRANSFER SYSTEM:	51696
RAW MATERIALS:	
RECOVERY FROM SEA	51322

11/1/11

RECTIFIERS:					
THYRISTOR:					
RECOVERATORS:					
GAS-TURBINE:					
REFRIGERANTS:					
PRESSURE DROPS ASSOCIATED WITH CONDENSATION OF					
REFRIGERATION:					
DEVELOPMENTS IN:					
INSULATION THICKNESS					
REFRIGERATION EQUIPMENT:					
AUTOMATION OF					
RELIABILITY OF					
REFRIGERATION MACHINERY:					
REFRIGERATION PLANT:					
THERMAL INSULATION OF					
REFRIGERATION SYSTEMS:					
TEST METHODS FOR					
REFUSE DISPOSAL:					
REHEATERS:					
FLUID BED COMBUSTION(FBC)					
RELIABILITY:					
DATABANK					
ELECTRICAL MEASURING INSTRUMENTS RESEARCH					
ELECTRICAL SYSTEMS					
IN MARINE STRUCTURES					
OF ANCHOR CHAIN.					
OF BOILERS					
OF COMPUTER SOFTWARE, MODELS FOR					
OF ELECTRIC-POWER DISTRIBUTION SYSTEM					
OF FLOATING LNG PRODUCTION FACILITIES					
OF LNG SHIPPING.					
OF MARINE ELECTRIC POWER SYSTEM					
OF OFFSHORE STRUCTURES.					
OF PIPELINE COMPONENTS.					
OF REFRIGERATING SYSTEMS					
STEERING SYSTEMS:					
THEORY OF					
U.S. MERCHANT MARINE					
RELIABILITY ANALYSIS:					
OF EPICYCLIC GEAR TRAINS					
OFFSHORE STRUCTURES					
RELIABILITY CHARACTERISTICS:					
OF SYSTEM CONSISTING OF SEQUENTIALLY-JOINED MEMBERS					
RELIABILITY LEVEL:					
IN HULL PRODUCTION					
RELIQUEFACTION PLANTS:					
MONITORING OF					
REPAIR:					
CONTAINERS					
OF AUTOMATED PROPULSION PLANTS					
OF HULLS:					
OF PROPELLERS:					
LABOUR CONTENT					
OF RUDDERS:					
LABOUR CONTENT					
OFFSHORE STRUCTURES AND PIPELINES					

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

MARKET ASSESSMENT	51725	51726
WIDE AREA		51056
EXPLORATION		51644
STABILITY SIDEWINDS		51412
NOISE/WEAR/WEAVING		51494
WAVE ENHANCEMENT		
WAVELENGTH AT SEA WAVE UNDERWAY CAPER		50396
WAVELENGTH		
WAVELENGTH MEASUREMENT ANALYSIS		50505
WAVELENGTH		
WAVELENGTH		
WAVELENGTH		50675
WAVELENGTH		
WAVELENGTH		51373
WAVELENGTH		50131
WAVELENGTH		51855
WAVELENGTH		
WAVELENGTH		49920
WAVELENGTH		49920
WAVELENGTH		
WAVELENGTH		51586
WAVELENGTH		51376
WAVELENGTH		51377
WAVELENGTH		
WAVELENGTH		50329
WAVELENGTH		
WAVELENGTH		51293
WAVELENGTH		
WAVELENGTH		50839
WAVELENGTH		50121
WAVELENGTH		
WAVELENGTH		51316
WAVELENGTH		50399
WAVELENGTH		51304
WAVELENGTH		
WAVELENGTH		50936
WAVELENGTH		51563
WAVELENGTH		
WAVELENGTH		51830
WAVELENGTH		
WAVELENGTH		50507
WAVELENGTH		
WAVELENGTH		50512
WAVELENGTH		
WAVELENGTH		51925
WAVELENGTH		51243
WAVELENGTH		
WAVELENGTH		50874
WAVELENGTH		
WAVELENGTH		51178
WAVELENGTH		
WAVELENGTH		50415
WAVELENGTH		
WAVELENGTH		51401
WAVELENGTH		50474
WAVELENGTH		50871
WAVELENGTH		51927
WAVELENGTH		51189

RUDDERS:-CONTINUED		
LIFTING SURFACE THEORY.		51348
PERFORMANCE OPTIMISATION		50837, 51914
REPAIR OF:		
LABOUR CONTENT		50861
SELECTION OF TYPE AND DIMENSIONS		51928
TWIN		50963
RUSTED STEEL:		
TANNIN TREATMENTS FOR		50381
S		
SAFETY:		
ADVERSE WEATHER CONDITIONS		51473, 51474
IMCO REQUIREMENTS		50908
IN SHIP STRUCTURES:		51556
OF LNG SHIPPING.		51476
OF OFFSHORE STRUCTURES.		51492
OF STRUCTURES SUBJECT TO STOCHASTIC LOADS		51490
OF SUBMERSIBLES.		50931
SAFETY MEASURES AND DEVICES:		
AGAINST COLLISIONS		50019
AIR-CUSHION VEHICLES		50210
AND AUTOMATION		50026
CHEMICAL INDUSTRIES		51213
DYNAMICALLY SUPPORTED CRAFT		50211
FLOATING LNG PRODUCTION FACILITIES		51271
FOR DREDGERS		51301, 51302
FOR NUCLEAR PROPULSION.		50258
GAS SHIPPING		51085
IN FISHING VESSELS		50016
NUCLEAR PROPULSION		50401
OFFSHORE DRILLING UNITS		50046
OFFSHORE INSTALLATIONS.		50227
PIPELINES		50225, 50226
RESPIRATORS		50329
TANK ENTRY		50393
UNDERWATER THERMAL CUTTING		50581
SAFETY METHODS AND DEVICES:		
SHIP STRUCTURAL.		50629
SAILING VESSELS:		
CAPABILITIES AND LIMITATIONS OF		50251
ECONOMIC ASSESSMENT		49971
SAILS:		
OVERLAPPING RIGID		50992
SALVAGE:		
TOOLS AND EQUIPMENT FOR		51139
SANDWICH STRUCTURES:		
VIBRATION OF		50203
SAP-IV COMPUTER PROGRAM		50463
SCALE EFFECTS:		
ON FULL-FORM SHIPS		51358
SCANTLINGS:		
AND FRAME-SPACING CORRELATION.		50093
SCHOTTEL BOWJET MANOEUVRING AID:		50332
SCHOTTEL DYNAMIC-POSITIONING THRUSTERS:		50607
SCHOTTEL RUDDER-PROPELLERS:		49890, 50793

SCREW THREADS:	
FATIGUE STRENGTH OF	50984
STRESS DISTRIBUTION IN	51904
SCREW TIGHTENING:	
CONTROL METHODS	50985
SCUFFING:	
CYLINDER LINER	51762
SEA FLOOR DEVELOPMENT:	50958
SEA WATER:	
EFFECT OF CATHODIC POLARIZATION ON FATIGUE	51061
SEACON OCEAN CONSTRUCTION PLATFORM:	51510
SEAKEEPING:	
IN NAVAL SHIP OPERATIONS	50746
MODEL TESTS ON AIRCRAFT CARRIER	50293
OF HARD-CHINE PLANING HULLS	51190
OF SMALL WARSHIP	50882
PHSS PROGRAM	50117
SEMI-SUBMERSIBLE PLATFORM "KAIMALINO"	50110
STRIP THEORY	50300
SEAKEEPING MEASUREMENTS:	
ON CONTAINERSHIP "KUROBE-MARU"	50480
SEAKEEPING PERFORMANCE OF PLANT BARGE:	51917
SEAKEEPING TRIALS:	
SEMI-SUBMERGED PLATFORM "KAIMALINO"	51593
SEALS:	
FOR AIR-CUSHION VEHICLES	50061
STERN:	
CAPTURED AIR BUBBLE TEST CRAFT	50667
WATERTIGHT	52013
SEAMOD CONCEPT:	50797, 51331
SEATRAN:	
PIN HEIGHT PROGRAM	51025
SEAWATER:	
COPPER ALLOYS FOR USE IN	50456
CORROSION IN	50176
CORROSION OF COPPER-NICKEL ALLOYS IN	50119, 50120
SULPHIDE-POLLUTED; CORROSION OF COPPER-NICKEL ALLOYS IN	50382
SECTION MODULUS:	
HULL	50817
SEDIMENT MOTION STUDIES:	
OFFSHORE	50921
SENSORS:	
FOR OPEN-SEA BERTH TERMINALS	50597
SEPARATION:	
ON SHIP-LIKE BODIES	51379
SEPARATORS:	
ALFA-LAVAL	51808
SEWAGE-HOLDING TANKS:	50759
SEWAGE MANAGEMENT SYSTEMS:	
COST EFFECTIVENESS ANALYSIS	50910
SEWAGE TREATMENT:	
BIBLIOGRAPHY	52031
SHIPBOARD	50912
ULTRAFILTRATION	50758
SHAFT WHIRL STABILITY:	
EFFECTS OF DISC FLEXIBILITY	51235
SHAFTING:	
TORSIONAL VIBRATION OF	50175

SHAFTS:	
CRITICAL SPEEDS OF ROTATING MASSES ON	51830
SHALLOW WATER:	
ADDED MASS MOMENTS OF INERTIA AND DAMPING DURING ROLLING OF SMALL VESSELS IN	49926
'SHAPE MEMORY' ALLOYS:	
NITINOL	51419
SHEAR:	
OF CONCRETE SHIPS	50282
SHEARING DEFORMATION:	
IN VEHICLE CARRIERS	50076
SHELL ELEMENTS:	50261
SHELL STRUCTURES:	
AXISYMMETRIC, VIBRATION ANALYSIS OF	50012
SHELLS:	
BUCKLING OF STIFFENED CYLINDRICAL	51493
SHIP-BOTTOM DAMAGE ESTIMATION:	50627
SHIP BOTTOMS:	
ALGORITHMS FOR PARAMETER EFFECTS AND SPEED LOSS:	50091
DOUBLE:	51580
HEIGHT IN CARGO SHIPS	50094
STRANDING STRENGTH	50074
STRUCTURAL DESIGN OPTIMISATION	50813
IMPACT PRESSURE ON:	51597
IMPULSIVE WATER PRESSURES ACTING ON	50841
PROTECTION ON ICE-GOING VESSELS:	51650
SLAMMING PREDICTION	51717
SHIP CAPACITY:	
AND ECONOMICS	51518
SHIP CHARACTERISTICS:	
RELATIONSHIPS BETWEEN LINEAR, VOLUMETRIC, AND DEADWEIGHT	50067
SHIP CONTROL:	
HUMAN FACTOR IN:	51678
MANUAL SIMULATION STUDIES	52026
SHIP DIMENSIONS:	
GROSS REGISTER TONNAGE, NET REGISTER TONNAGE, AND DEADWEIGHT RELATIONSHIPS	50067
SHIP DYNAMICS:	
GENERALISED FUNCTIONS IN	51934
SHIP FRAMES:	
BENDING OF	51017, 51018
SHIP HANDLING:	50752
EFFECTS OF HYDRODYNAMIC INTERACTION	51411
HUMAN FACTORS IN	50030, 52025
IN HEAVY WEATHER	52018
SHIP INTERACTIONS:	
IN CLOSE PROXIMITY	51004
SHIP-LIFT:	
CONCARNEAU:	51601
SHIP LINES:	
MATHEMATICAL APPROXIMATION	50064
SHIP LOADING:	
OPTIMISATION:	51531
SHIP LOADS:	
ON CONTAINER SHIPS	50081
PREDICTION OF:	51549

SHIP LOSSES:	
ANALYSIS OF	50023
SHIP MOTION:	
ACCELERATING AND DECELERATING.	50838
AND RESTRICTED WATER DEPTH	50649
AND STABILITY:	51588
CALCULATION BY CONFORMAL TRANSFORMATION OF BODY-PLAN SECTIONS	51407
CATAMARAN	50647
COMPUTERISED PLANAR MOTION CARRIAGE	50846
CONTAINER SHIPS.	50081
DATA BASE	50673
DETERMINATION IN SEAWAY	51926
DIFFRACTION FORCES:	51585
DISTURBING FORCES ACTING ON SHIP MOVING ON OBLIQUE COURSE.	50126
EFFECTS OF NONLINEARITIES	51910
FUNDAMENTAL FUNCTION IN THEORY OF	50308
HEAVING:	
HYDRODYNAMIC COEFFICIENTS OF	50292
OF AXISYMMETRIC BODIES	50682
OF SEMI-SUBMERSIBLES	49922
SWATH VESSELS	50291
HEAVING AND PITCHING:	
HYDRO-DYNAMIC FORCES AND MOMENTS ACTING IN	50108
PHSS PROGRAM	50117
SWATH SHIP FORM	50098
HOVERCRAFT	50313
HYDROFOIL	50313
IN HEAD SEAS	51910
IN RANDOM SEAS	50820
IN RESTRICTED WATERS	50121
INFLUENCE OF GEOMETRY AND WEIGHT DISTRIBUTION	51718
INTEGRATED CONTROL SYSTEM	51933
LONGITUDINAL:	
HYDRODYNAMIC COEFFICIENTS.	50316
MATHEMATICAL MODELS FOR	51929
OF AIR-CUSHION MODELS IN HEAD SEAS	51930
OF AIR-CUSHION VEHICLES	51929
OF SLENDER SHIP IN SHALLOW WATER	51399
OF SMALL-WATERPLANE-AREA TWIN-HULL SHIPS	51397
POTENTIAL THEORY	51709
PREDICTION OF:	
COMPUTER PROGRAM	50851
ROLL-DAMPING MOMENT	50651
ROLL STABILITY:	
OF SEMI-DISPLACEMENT CRAFT	50849
ROLLING:	
DAMPED	50132
DAMPING EFFECTS:	51588
DAMPING OF SMALL VESSELS IN SHALLOW WATER	49926
EFFECTS ON MANOEUVRING	51710
IN OBLIQUE SEAS	50302
NATURAL FREQUENCY ESTIMATION	50674
NATURAL FREQUENCY IN CONFUSED SEA	50848
NON-LINEAR	51204
OF JOINED SHIPS IN WAVES	50129
ON LARGE WAVES	51918
RESPONSE AND CAPSIZE BEHAVIOUR IN BEAM SEAS	51193

SHIP MOTION:ROLLING:-CONTINUED	
THEORY AND EXPERIMENT	50027
SLOW-DRIFT OSCILLATIONS IN IRREGULAR WAVES	51941
STEADY MOTION PARALLEL TO BANKS OR BEACHES	51399
STEADY RECTILINEAR MOTION IN CALM SEA	50999
SWAY:	
ADDED MASS COEFFICIENTS	51935
IN OBLIQUE SEAS	50302
YAWING:	
IN OBLIQUE SEAS	50302
MODEL TESTS ON	50844
ON SURFACE-PIERCING FLAT PLATE	50843
SHIP OPERATION:	
HUMAN ENGINEERING RESEARCH IN.	51881
MACHINERY DEFECTS OCCURRING IN	51239
MAN VERSUS MACHINE	51473, 51474
SHIP OPTIMISATION:	
TECHNICAL AND ECONOMIC.	49901
SHIP PERFORMANCE ANALYZER:.	50558
SHIP PRODUCTION:	
AND INFORMATION SYSTEMS	49940
SHIP RESPONSE:	
MATHEMATICAL MODEL OF	50839
TO WAVE EXCITATION:	51931
SHIP ROUTING:	
DEVELOPMENT OF	50576
USING THEORETICAL LIMIT SPEED IN WAVES	50400
SHIP SEAKEEPING:	
ANALYSIS OF	49915
QUALITY IMPROVEMENT	49935
SHIP SECTIONS:	
ASSEMBLY PROCESS IN PRODUCTION OF	49947
SHIP SIMULATORS:	
REAL-TIME	51449
SHIP SQUAT:	
PHENOMENON OF	50993
SHIP STOPPING:	
AUXILIARY DEVICES	50650
EMERGENCY	50650, 51107
REVERSE ROTATION OF PROPELLER.	51919
SHIP TURNING:	
SUBMERGED VEHICLES:	51589
SHIPBOARD DATA MULTIPLEX SYSTEM: .	51992
SHIPBUILDING:	
AIR CUSHIONS IN.	51949
CONTRACTS	50811
COST REDUCTION IN	51414
ENERGY USE	51016
FLOW-LINE ORGANISATION.	50859
LEARNING AND INFLATION IN	50320
MATHEMATICAL MODELLING.	50859
STANDARD COMPONENTS AND MODULES	50857
SHIPBUILDING INDUSTRY:	
MARKETING	51703
SYSTEM DYNAMICS MODEL	51205
UNITED STATES	49906, 51727
U.S.	50691

SHIPPING:	
INVESTMENT AND REPLACEMENT ANALYSIS IN:	51057
LINER CONFERENCES	51058
SHIPPING CHANNELS:	
HORIZONTAL DIMENSIONING OF	50906
SHIPPING INDUSTRY:	
AND MINERAL INDUSTRIES.	50735
CHALLENGE TO	51059
DRY-BULK	50735
HEAVY-LIFT	50738
LINER SHIPPING	51253
MARKETS:	51511
SYSTEM DYNAMICS MODEL	51205
U.S.	50737
SHIPPING WATER:	
IN WAVES, MODEL TESTS ON	50116
PRESSURE ON DECKS, MODEL TESTS ON	50115
STOCHASTIC PREDICTION OF IMPACT PRESSURE DUE TO	51184
SHIPS:	
AIR-CUSHION VEHICLES:	
AMPHIBIOUS	51402
BASIC THEORIES	50619
DESIGN ASPECTS OF SEAL SYSTEMS	50061
DESIGN PRINCIPLES	50620
ICEBREAKERS.	50245
IN SHIPYARDS	51949
MOTION AND DRAG	50669
MOTION IN RANDOM SEAS	51929
OVERLAND	51402
RELATION TO TERRAIN AND OPERATIONAL MODE	51403
SAFETY STANDARDS	50210
SEAKEEPING MODELS	51930
WATERBORNE PROPULSION	50658
WAVES AND WAVE RESISTANCE.	50105
ANCHOR-HANDLING/TOWING/SUPPLY VESSELS	51150
BARGE CARRIERS:	
BACO-LINER 1	51870
BACO LINER CONCEPT.	49893
"ASH ITALIA", WEATHER DAMAGE AVOIDANCE.	51100
SEABEE CONCEPT	50795
SEABEE-TYPE.	50233
STRUCTURAL AND EXPERIMENTAL DEVELOPMENT OF	51177
TIBOR SZAMUELY	50795
VALMET	51163
YULIUS FUCHIK	50795
BARGES:	
ADLERGRUND	51697
BOTTOM-DUMP.	51697
CARGO TANK	50978
CONCRETE	50286
COSTING	50709
CRANE	50594
DANUBE-SEA (OR D-M) TYPE	50233
DERRICK:	
BLUE WHALE	50594
CHALLENGER	50594
NARWHAL	50614
ODIN	50594

SHIPS: BARGES: DERRICK:-CONTINUED

ORCA	50594
SARITA	50594
SEMISUBMERSIBLE	50945
FLOATING CONCRETE	51892
GANSEGRUND	51697
LAY-BARGE SEMAC I	50044
LOG CARRIERS	50895
METHANOL PLANT	51313
NUCLEAR FUEL CARRIER	51158
OIL-STORAGE.	51135
'P 10', OCEAN-GOING MULTI-PURPOSE	51327
PIPELAYING	51854
PUSHED TRAINS:	50002, 50066, 50248
CYLINDER-TYPE COUPLING	50359
ROLL-ON/ROLL-OFF	51156
SEAGOING BARGE TRAIN (SBT)	50902
SEAKEEPING PERFORMANCE	51917
SUBMERSIBLE:	
CARGO HANDLING.	52011
TOWING RESISTANCE OF	50948
TUG HORSEPOWER REQUIRED	50948
BROAD-BEAM:	
DESIGN OF	50806
BULK CARRIERS:	
ALEXANDR NEVSKIJ	50232
ANTWERPEN	51685
AUTOMATIC SYNTHESIS OF	49913
BILGE HOPPER TANK STRENGTH	50079
BREAK-BULK:	51661
DESIGN FEATURES OF	51905
DEVONBROOK	51688
DIESEL PROPULSION	51219
DIMITRI DONSKOI	50232
DIMITRI POZHARSKIJ	50232
DOUBLE-BOTTOM STRUCTURAL-DESIGN OPTIMISATION	50813
DURHAMBROOK	51688
DYNAMIC RESPONSE TO WAVE EXCITATION	51398
ECONOMICS:	51666
FOR ARCTIC MINERAL RESOURCES	50438
HELEN	50231
HULL FORMS	50809, 50990
ICEBREAKING.	51701
MODEL TESTS ON	50659
PANAMAX, LIFTING LUGS	50147
PRELIMINARY DESIGN OF:	51530
SAILING VESSELS	49971
SECTION MODULUS ANALYSIS	50817
SELF-UNLOADING	50901
STANDARDISED DEVELOPMENT	51872, 51878
UL-ESC CLASS	50232
UNIVERSE KURE	51662
UNLOADING SYSTEMS	51803
WITH TOPSIDE TANKS:	
STRUCTURAL MODEL TESTS OF	51345
ZINCMASTER	51686
BUOY TENDERS:	
RELUME	51692

SHIPS:-CONTINUED

CABLE REPAIR:

MODEL TESTS ON 51708

CAPTURED AIR BUBBLE:

POWER OPTIMISATION. 50695

STERN SEAL 50667

CARGO VESSELS:

ACCOMMODATION SPACES 50065

ALGORITHMS FOR OPTIMUM DESIGN OF EQUIVALENT GIRDER 50091

"ARABIAN ENDEAVOUR" 51863

"ARABIAN STRENGTH" 51863

BANANA CARRIER:

"FORT ROYAL" 51689

"CALEDONIA" 51863

"CORINNA DRESCHER" 51507

"DELFBORG" 50787

DESIGN FOR OPERATION CONDITIONS 50437

"DOCK EXPRESS" 10,11, AND 12 51153

FIRE SAFETY REQUIREMENT FOR 51278

FLEET REPLACEMENT MODEL 50886

FOR INLAND WATERWAYS 50248

"GRETE NIELSEN" 50607

"HAMLET ALICE":

HULL AND PROPULSION DESIGNS. 50659

MODEL TESTS ON 50659

HEAVY-LIFT:

"EIGER" 51504

"HULL 741" 50964

ICEBREAKING 50438, 51701

LIBERTY:

STRESSES AND MOTIONS IN RANDOM SEAS. 50820

LOG CARRIERS:

"HAIDA BRAVE" 50788

"HAIDA MONARCH" 50788

MANGANESE MODULE 50247

"MARINER" ANTI-PITCHING FIN AND FIN STRUT 50664

"MINI STAR" 50424

"MINI SUN" 50424

MULTI-FLEX SERIES 50659

"MUTSU", SHIELDING MODIFICATION AND SAFETY REVIEW 50401

MULTI-PURPOSE: 50801

DESIGN ASPECTS. 51890

REFRIGERATED:

"PACIFIC PRINCESS" 51503

SAILING VESSELS 49971

SIDEPORT 50898

STABILITY RECOMMENDATION 51279

SUPERSTRUCTURE SPACES 50065

TD 15 UPTAKE AND FUNNEL ASSEMBLY. 49942

"WESTERN FLYER" PROJECT 50782

CATAMARAN:

FIREBOATS 50610

FLCW AROUND. 51915

MULTI-PURPOSE VESSEL 49896

OIL-SKIMMER:

"O.S.K.1" 51698

PLANING HULLS - SEE ALSO SWATH 51353

SHIPS: CATAMARAN:-CONTINUED

SHIP MOTION.	50647
SHIP-MOTION, STABILITY, AND WAVE-LOAD PREDICTION	51397
VIBRATION OF SEMI-SUBMERSIBLE	50201
COASTERS:	
"DOGAR"	51690
"THIASI"	51690
CONTAINER:	
ABOVE HATCH VERTICAL MATERIAL HANDLING SUBSYSTEMS	50740
"ANTWERPEN"	51685
"ARABIAN ENDEAVOUR"	51863
"ARABIAN STRENGTH"	51863
"ASIAFREIGHTER":	
GAS TURBINES IN	51978
"BACO-LINER 1"	51870
BELOW HATCH VERTICAL MATERIAL HANDLING SUB SYSTEMS	50739
"CALEDONIA"	51863
"CITY OF PLYMOUTH"	49883
COMPUTER LOADING PROGRAM	51075
CONTROLLABLE-PITCH PROPELLERS	51030
"CORINNA DRESCHER"	51507
"ERLANGEN EXPRESS"	51323
"FORT ROYAL"	51689
GAS-TURBINE COMBUSTION TECHNOLOGY	51429
"HELEN"	50231
"HELENE DELMAS"	51869
"HOECHST EXPRESS"	51323
"HOLSTENSAILOR"	50234
HULL GIRDERS	50828
"KUROBE-MARU", SEAKEEPING MEASUREMENTS	50480
"LEVERKUSEN EXPRESS"	51323
"LLOYDIANA", AUTOPILOT	51052
LOADS AND STRESSES IN	51172
"LUDWIGSHAFEN EXPRESS"	51323
"MANCHESTER CHALLENGE":	
CONTROL SYSTEM.	51933
MANOEUVRING TESTS ON	50473
MODEL TESTS ON	50659
"MONSUN" TYPE SEMI-CONTAINERSHIP.	49884
"NEDLLOYD DEJIMA", LOADS AND STRESSES ON	50081
"NEDLLOYD DEFT", LOADS AND STRESSES ON.	50081
"NOPAL MASCOT"	50786
NUCLEAR PROPULSION OF	51039
PROPULSIVE PERFORMANCE AT LIGHT CONDITION IN WAVES	51921
REFRIGERATED:	
"COLUMBUS CANTERBURY"	51683
"COLUMBUS LOUISIANA"	51683
"COLUMBUS QUEENSLAND"	51683
"COLUMBUS TARANAKI"	51506
"COLUMBUS TASMANIA"	51506
REFRIGERATING SYSTEM RELIABILITY AND AUTOMATION	50553
SCHEDULING	51834
"SEA-LAND LEADER":	
CONSTRUCTION OF	51948
"SEA-LAND MCLEAN", WAVE-METER SYSTEMS	50124, 50125
SINGLE-SCREW	51702
SL-7 CLASS:	
CORRELATION STUDY	49914
WAVE ENVIRONMENT	51899, 51900, 51901

SHIPS: CONTAINER:-CONTINUED	
STRESSES IN CONFUSED SEA	51704
"ZINCMASTER"	51686
"COPPER MARINER II"	50826
CRANE:	
"BALDER", SEMI-SUBMERSIBLE	50588
BARGES	50594
"NARWHAL", SEMI-SUBMERSIBLE	50614
"PACIFIC CONSTRUCTOR"	49895
PERFORMANCE MONITORING AND PREDICTION	50922
SYSTEMS APPROACH TO	50406
"UGLEN"	50609
DREDGERS:	
ANTI-FOULING DEVICE	51300
"APRIL HAMER"	50428
CONSTRUCTION RULES	51301
CUTTER HEAD MODELLING AND PERFORMANCE	51306
CUTTER SUCTION:	51304
SAFETY STANDARDS	51302
ELECTRIC POWER AND CONTROL SYSTEM SELECTION	51226
ESTIMATING OUTPUT	51336
HOPPER:	
OPTIMISATION OF	50358
HOPPER SUCTION:	
"NORDSEE"	51326
OF COMPRESSED-AIR (AIR-LIFT)	50602
PUMP LINER	51305
SAFETY STANDARDS	51301
SUCTION	50776
TIN	51299
TRAILING SUCTION HOPPER	50363, 52000
DRILLING VESSELS:	
DESIGN PHILOSOPHY	51713
"WIMPEY SEALAB" DYNAMIC POSITIONING	50601
DYNAMICALLY SUPPORTED CRAFT, SAFETY CODE FOR	50211
FERRIES:	
CAR AND PASSENGER:	
"DIANA II OF SLITE"	51684
"JENS KOFOED"	51505
"KENNEDY"-CLASS	51879
"MERRELL"-CLASS	51879
"POMERANIA"	49887
"POVL ANKER"	51505
"SILESIA"	49887
"TURELLA"	51871
FOR PLATFORM EVACUATION AND CREW TRANSFER	51141
GAS TURBINES:	51616
"LADY CHILEL JAWARA"	50237
"MARIN"	51610
"PATRICIA"	50436
"SAN FRANCISCO"	51610
"SONOMA"	51610
TRAIN:	
"GEROITE NA ODESSA"	49886
FIRE-FIGHTING:	
"BUTZFLETH"	49890
CATAMARAN	50610

SHIPS: FIRE-FIGHTING:-CONTINUED

"CLEVELAND ENDEAVOUR"	.	.	.	.	.	.	50429
"FIREBIRD"	.	.	.	.	.	.	50240
"FIREBRAND"	.	.	.	.	.	.	50240
KRUPP DESIGNS	.	.	.	.	.	.	50430
"ROELAND"	.	.	.	.	.	.	50611
TYPE PSZ-1000	.	.	.	.	.	.	50051
FISHERIES PROTECTION VESSELS:							
"FRITHJOF"	.	.	.	.	.	.	51509
"MEERKATZE"	.	.	.	.	.	.	51509
FISHING VESSELS:							
DESIGN FOR FUTURE	.	.	.	.	.	.	50244
FACTORY TRAWLERS:							
"KAPITAN PURGIN"	.	.	.	.	.	.	50433
FLAT BOTTOM BOATS:	.	.	.	.	.	51535,	51536
HULL FORM TO REDUCE FUEL CONSUMPTION	.	.	.	.	.	.	51924
ICING OF	.	.	.	.	.	.	51825
LONG-LINERS:							
"GIRL PAT III"	.	.	.	.	.	.	50612
MANOEUVRABILITY OF	.	.	.	.	.	.	51401
PURSE SEINER/TRAWLER:							
"GEYSIR"	.	.	.	.	.	.	51866
SAFETY REQUIREMENTS	.	.	.	.	.	.	50016
SEMI-SUBMERGED	.	.	.	.	.	.	50253
STERN TRAWLERS:							
DESIGN FOR MULTI-PURPOSE	.	.	.	.	.	.	51164
SWATH CONCEPT	.	.	.	.	.	.	50253
TRAINING VESSEL	.	.	.	.	.	.	51165
TRAWLERS:							
"GIRL PAT III"	.	.	.	.	.	.	50612
TRANSVERSE STABILITY OF	.	.	.	.	.	51199,	51200
TWO-PITCH PROPELLERS	.	.	.	.	.	.	51031
FJORDSHELL, FLUIDISED BED	.	.	.	.	.	.	49960
FULL-FORM:							
BOW TRIM OF	.	.	.	.	.	.	51203
INFLUENCE OF BOW SHAPE	.	.	.	.	.	.	51406
SCALE EFFECTS OF	.	.	.	.	.	.	51358
SEPARATION PHENOMENA AT AFTERBODIES	.	.	.	.	.	.	51359
GREAT LAKES VESSELS:							
DYNAMIC RESPONSE TO WAVE EXCITATION	.	.	.	.	.	.	51398
TRANSPORTATION MARKET ASSESSMENT	.	.	.	.	.	.	50736
WATERTIGHT SUBDIVISION	.	.	.	.	.	.	51889
GROUND-EFFECT:							
DESIGN PRINCIPLES	.	.	.	.	.	.	50620
HEAVY-LIFT:							
"ATLAS MARU"	.	.	.	.	.	51694,	51695, 51813
"JOHN HENRY"	.	.	.	.	.	50784,	51691
"PAUL BUNYAN"	.	.	.	.	.	.	51691
"STAHLER"	.	.	.	.	.	.	50784
"STAKHANOVETS KOTOV"	.	.	.	.	.	49885,	51152
"STAKHANOVETS PETRAS"	.	.	.	.	.	.	51152
"STAKHANOVETS YERMOLENKO"	.	.	.	.	.	.	51152
STATE OF THE ART	.	.	.	.	.	.	50784
HIGH-PERFORMANCE CRAFT:							
PROPELLERS FOR	.	.	.	.	.	50104,	50123
STRUCTURAL DESIGN-LIMIT PRESSURES	.	.	.	.	.	.	50070
HIGH-SPEED CRAFT:							
CONTRA-ROTATING PROPELLERS IN	.	.	.	.	.	.	51391

SHIPS: HIGH-SPEED CRAFT:-CONTINUED

DESIGN:	51600
DIESEL ENGINES FOR:	49969
GAS TURBINES FOR	49968
IMPACT PRESSURE ON:	51597
IMPULSIVE WATER PRESSURES ACTING ON	50841, 50842
LATERAL STABILITY OF	51361
STRUCTURAL DYNAMICS APPLICATION TO DESIGN	50095
HOVERCRAFT:	
AS WARSHIP	50884
MOTION DATA.	50313
NAVIPLANE N 500	50239, 51328
POWERING AND PROPULSION	51773
PROPELLERS FOR	51774
HYDROFOIL CRAFT:	
BOEING MODEL 929 JETFOIL	50503
CAPE COD BOAT	50295
DESIGN, POWERING AND PROPULSION	51772
FISHERIES PATROL	50883
GRUMMAN DESIGN M163	50059
HYBRID COMPOSITE STRUCTURES	50071
HYDROSTATIC STABILITY OF	50994
LIFT AND DRAG EFFECTS DUE TO POLYMER INJECTIONS	50311
LONGITUDINAL STABILITY EQUATIONS.	50295
MISSION REQUIREMENTS AND DESIGN CHARACTERISTICS	50068
MOTION DATA.	50313
PCH-1 (HIGH POINT).	50060
PERFORMANCE ENHANCEMENT USING HYBRID DESIGN OPTIONS	50060
POWER TRANSMISSION.	50153
PROPELLERS FOR	51774
SMALL-AMPLITUDE OPTIMUM PROPULSION	50309
STRUTS AND FOILS FOR	50995
HYDROGRAPHIC:	
"HAVENGORE":	
ELASTOMERIC BEARINGS	51996
"MAPLIN":	
ELASTOMERIC BEARINGS	51996
ICEBREAKERS:	
AIR-CUSHION VEHICLES	50245
"ALMIRANTE IRIZAR":	51151
ELECTRICAL EQUIPMENT	51960
ARCTIC PROJECT	51077
"BURTON ISLAND"	51632
CARGO VESSELS	50438
DESIGN AND PERFORMANCE OF.	50887
DEVELOPMENT OF	51701
ELECTRIC PROPULSION FOR	50522
"FUJI", LOADING DURING SERVICE IN ICE	50557
GAS-TURBINE/ELECTRIC PROPULSION	50523
HULL COATINGS FOR	51720
"LOUIS S. ST LAURENT"	50885
"LUNNI"-CLASS TANKERS	51477
POLAR CLASS:	
MODEL TESTS ON.	50847
PROPULSION SYSTEMS.	51220
STEAM-TURBINE HEAT-CYCLE SYSTEMS.	50870
STEAM-TURBINE PROPULSION PLANT HEAT-CYCLE SYSTEMS	50870
TUGS:	
"KATAMI BAY"	51693

SHIPS:-CONTINUED

INLAND WATERWAYS:	
CARGO VESSELS	50248
COSTING	50709
LHA-1 CLASS, WEIGHT, STABILITY, AND SUBDIVISION DESIGN CONSIDERATIONS	50440
LIFEBOATS:	50029
HYPERBARIC	50755
SELF-RIGHTING DESIGN	50063
TOTALLY-ENCLOSED	50754
LIFT-ON/LIFT-OFF	50784
LIFTING VESSELS:	
"PROTIS"	49892
U.S.	50738
MERCHANT VESSELS:	
HULL FORMS	50990
NUCLEAR PROPULSION STANDARDS	51044
SAFETY AND ECONOMY OF FASTER AND/OR LARGER	50575
SELECTION OF PRINCIPAL DIMENSIONS AND PARAMETERS	51335
STANDARD SPECIFICATIONS FOR:	51538
MULTI PURPOSE CARGO:	
"FALCON":	
PROPULSION SYSTEM	51769
FREEDOM MK II:	
PROPULSION SYSTEM	51769
FRIENDSHIP SERIES:	
PROPULSION SYSTEM	51769
NAVAL VESSELS:	50352
ACCOMMODATION HABITABILITY	50622
ACQUISITION AND DEVELOPMENT PROCESS	50252
ADVANCED LIGHTWEIGHT:	51630
AIRCRAFT CARRIERS:	
"ESSEX":	
STRUCTURAL SEAWORTHINESS:	51563
SLAMMING CHARACTERISTICS OF BOW CONFIGURATIONS	50302
AMPHIBIOUS ASSAULT, "TARAWA"	51055
ANTI-MINE VESSEL "ALKMAAR"	50447
"BRECON"-CLASS	50447
"CONCEPT EXPLORATION" MODEL	50618
CONTROLLABLE-PITCH PROPELLERS	49970
CRUISERS:	
"GARIBALDI":	
REVERSING COUPLING	51995
DESIGN:	
HUMAN ENGINEERING IN	50796
DESIGN CONCEPTS AND TECHNOLOGY	51161
DESIGN FUNCTIONS	50800
DESIGN OF SMALL "CONCEPT EXPLORATION" MODEL	50618
DESTROYERS:	
DD-963 CLASS MODEL	51385
GAS-TURBINE MACHINERY CONTROL	51249
DIRECT ENERGY CONVERSION:	51622
DISPLACEMENT MONO-HULLS RESEARCH PROGRAMME	50299
ELECTRONIC CONTROLS INDICATIONS AND COMMUNICATIONS	51815
FISHERY PROTECTION	50802
FOOD SERVICE SPACE REDUCTION	50623

NAVAL VESSEL MODERNIZATION

LEANDER CLASS MODERNIZATION	51287
OVERHAUL PERIOD	50509
PROPULSION SYSTEM	50693
SHIP MOTION DEF.	51718
STABILIZERS	50298
STRUCTURE DESIGN	50799
340 TURBINES	50598, 51616
GEAR DESIGN	49964
GUIDED-MISSILE CRUISER	50671
GUIDED MISSILE STRIKE CRUISER	50662
HOVERCRAFT	50884
HYDROFOIL POWER TRANSMISSIONS	50153
LABOR VIBRATION LEVELS	50199
LANDING CRAFT	
BALIKPAPAN	50722
LEANDER / HULL DECKHOUSE SYSTEM	50446
MACHINERY FOR SMALL FAST WARSHIPS	49967
MANNING COSTS	50705
MARGINAL COST FACTORS	50621
MODULAR PAYLOAD	51331
PATROL VESSELS:	
GAS-TURBINE PROPULSION	50514
POINT LOMA / STABILITY	50663
PROPULSION SYSTEMS	50692
SEAKEEPING	50746
SEAMOD CONCEPT	51331
SHIPBOARD DATA MULTIPLEX SYSTEM	51992
SMALL CRAFT	50802
SMALL HIGH-SPEED	50803
SMALL WARSHIP:	
DESIGN	49899
STRUCTURAL DESIGN AND MATERIALS	50816
SUBMARINES:	
TRIDENT / MAINTENANCE	50708
SURFACE EFFECT	51332
SURFACE EFFECT APPLICATIONS	50192, 50193
"TRIPARTITE" MINEHUNTER	51818
WEIGHT CONTROL	51945
WILLIAM H. STANDLET, METAL SPRAYING:	51658
WILTON	50447
NUCLEAR FUEL CARRIERS:	51158
NUCLEAR FUELS CARRIERS:	
"PACIFIC SWAN"	51143
OFFSHORE DRILLING:	
IN DEEP WATER	51859, 51860
OFFSHORE DRILLING RIGS:	
MARKET	50780, 50781
SAFETY REGULATIONS	50046
OFFSHORE DRILLING UNITS:	
JOB EVALUATION	51680, 51681
TOW PREPARATION	50779
OFFSHORE ENERGY CONVERSION PLANT	50412
OFFSHORE INSTALLATIONS:	
CORROSION MONITORING	50368, 50559
MULTI-PURPOSE CANTILEVER JACK-UP	51861
OFFSHORE PLATFORMS:	
AIR FLOWS	51319

INDEX

SHIPS: OFFSHORE PLATFORMS:-CONTINUED

ANCHOR HOLDING CAPACITIES.	51858
CORROSION CONTROL .	50372
DYNAMIC ANALYSIS OF .	51482
DYNAMIC TOW MOTION.	50939
ECONOMICS OF .	50405
EVACUATION SYSTEM .	51141
FATIGUE OF STEEL DECKS .	51498
FIXED STEEL AND CONCRETE .	51117
GAS TURBINES:	51615
GEMINI METHOD OF INSTALLING .	50217
GRAVITY .	51119
HYDRODYNAMIC LOADINGS ON .	50919
INSPECTION .	50413
MODEL TESTS ON .	51294
MONITORING .	50413
MONITORING AND PREDICTION SYSTEM.	50922
NINIAN FIELD .	50913
OCEAN THERMAL ENERGY CONVERSION(OTEC):	51858
CONFIGURATION AND INTEGRATION STUDY	51847 TO 51851
PILE-FOUNDATION SUPERSTRUCTURE INTERACTION ANALYSIS .	51120
REPAIR .	50413
SOIL-STRUCTURE INTERACTION .	51118
STRUCTURAL LOADS ON TWIN-HULL SEMISUBMERSIBLE .	50941
WELDED STEEL FOR .	51852
WELDING PROCEDURES.	51115
WIND-TUNNEL TESTS .	51298
OFFSHORE RIGS:	
CLEANING OF EXTERNAL SURFACES .	50369
DIRECTORY OF .	51142
OFFSHORE STRUCTURES:	
ANCHORED FLOATING .	51499
BUCKLING STRENGTH OF STEEL .	51491
COLLISION RISKS .	50583
CONCRETE:	
CORROSION RESISTANT STEEL BARS .	50929
CORROSION CONTROL .	50373
DESIGN AND ANALYSIS PROGRAM SYSTEM .	50223
DOWNTIME EVALUATION FOR OPERATIONS FROM FLOATING VESSELS IN -	
WAVES .	51126
DYNAMIC ANALYSIS OF .	51307
DYNAMIC LOADS UNDER STORM CONDITIONS .	50940
DYNAMIC RESPONSE:	
ANALYSIS .	50221
IN WAVES .	51288
TO REGULAR WAVES .	50925
DYNAMICS EVALUATED BY BOUNDARY INTEGRAL TECHNIQUES .	50220
EARTHQUAKE-RESISTANT DESIGN .	50596
FAILURE PREDICTION.	51485
FATIGUE TESTING .	51495
FIREFIGHTING EQUIPMENT .	50227
FIXED PLATFORM RIG CONSTRUCTION .	50045
FLOATING PRODUCTION SYSTEMS .	50585
FOULING OF .	50196
FRACTURE-SAFE DESIGN OF .	51481
GRAVITY PRODUCTION PLATFORM DECK STRUCTURE .	51314
HAZARD PROTECTION .	50227
INSPECTION AND MAINTENANCE REQUIREMENTS.	50036

SHIPS: OFFSHORE STRUCTURES:-CONTINUED

INSPECTION EQUIPMENT AND TECHNIQUES	50041
JACK-UP RIGS	50938
LOAD DETERMINATION ON	50595
LOADING SYSTEMS	50586
LONGO STEEL GRAVITY PLATFORMS	51311
MAINTENANCE ASPECTS	50038
MATERIALS REQUIREMENTS FOR	50402
MODEL TESTS ON	51290, 51291, 51292
MODULE DESIGN ASPECTS	50593
MONITORING OF	50591, 51497
NONLINEAR DESIGN	50915
RELIABILITY ANALYSIS	50914
RELIABILITY OF	51492
REPAIR AND PROTECTION	51318
RESEARCH FACILITY	50042
RESPONSE MOTIONS OF	51293
REVIEW OF	50881
RISK ANALYSIS	51316
SAFETY OF	51490, 51492
SEMI-SUBMERSIBLE PLATFORMS	50034
SLAMMING LOADS	50680
STANDARD RP-01-76 FOR	50373
STEEL SELECTION AND DETAILED DESIGN	51487
STEELS FOR	50403
STRUCTURAL RESPONSE OF	50591, 51310
TIME DOMAIN SIMULATION OF SEMISUBMERSIBLE PLATFORM MOTION	51127
TRAFFIC MANAGEMENT	51136, 51137, 51138
UNDERWATER MAINTENANCE	50040
AND INSPECTION	50037
WATER LOADS ON	51287
WAVE ACTION ON	50043
WAVE FORCES ON	51289
WAVE LOADS ON	51293
WELDING REPAIRS	50039
OFFSHORE TOWERS:	
STABILITY CHARACTERISTICS OF	51130
OFFSHORE UNITS:	
CLASSIFICATION AND CERTIFICATION OF	50944
OIL/BULK/ORE:	
"NORRLAND"	51508
OIL-RECOVERY	51282
OIL-RECOVERY VESSELS:	
"BAY SKIMMER"	50613
OIL-SKIMMERS:	
"O.S.K.1"	51698
OIL-SPILLAGE:	
TWIN-HULL	49896
ORE CARRIERS:	
FOR MANGANESE NODULES	50218
"MARGARET MARU", CONVERSION TO CAR CARRIER	50435
"OTTO HAHN", FUEL ELEMENT EXCHANGE	51042
"STEWART J. CORT"	51662
TRANSVERSE STRENGTH OF	50830
ORE/OIL CARRIERS:	
"BORIS BUTOMA":	50049, 50135, 50137
ELECTRICAL INSTALLTION	50173
POWER PLANT	50155

SHIPS: PRE-OIL CARRIERS: BORIS BUTOMA :-CONTINUED

SPECIAL SYSTEMS	50172
DOUBLE-BOTTOM GRILLAGES	50084
ENGINE BOILER ROOM ASSEMBLY	50141
PASSENGER VESSELS:	
GERMANIA	50425
LINER CONFERENCES	51058
STABILITY RECOMMENDATION	51279
PATROL VESSELS:	50802
FISHERIES	50883
GAS TURBINES:	51617
HULL FEASIBILITY MODEL	50804
HYDROFOIL	50883
JAPANESE MARITIME SAFETY AGENCY	50432
OPERATIONAL REQUIREMENTS AND CHOICE OF CRAFT	50880
PILOT VESSELS:	
MARKAB	49894
MENKAR	49894
MIRFAK	49894
PIPELAYERS:	
APACHE	50785
BARGES	51854
CASTORO SEI	49999
LAY-BARGE SEMAC I	50044
PLANING VESSELS:	
CATAMARAN	51353
DESIGN FOR OPTIMUM PERFORMANCE	51940
HULL FEASIBILITY MODEL	50804
INFLUENCE OF WEDGES:	51599
"KAAMA":	
TRIALS ON	51595
"KUDU II":	
TRIALS ON:	51595
LOAD PREDICTION OF HULLS	51192
MODEL TESTS ON	50306
PROPULSION EXPERIMENTS	50670
SEAKEEPING OF HARD-CHINE HULLS	51190
STRUCTURAL DESIGN OF	50448
REFRIGERATED VESSELS	
"GROOTSAND"	50426
"WINTER WATER"	51154
"WITTSAND"	50426
REPLENISHMENT VESSELS	51696
RESEARCH:	
"ARCTIC SURVEYOR"	50050
ROLL-ON/FLOW:	
"STAKHANOVETS KOTOV"	51152
"STAKHANOVETS PETRAS"	51152
"STAKHANOVETS YERMOLENKO"	51152
ROLL-ON/ROLL-OFF VESSELS	50784
ADMIRAL ATLANTIC"	50229
ADMIRAL NIGERIA"	50229
ADMIRAL PACIFIC"	50229
BANDAR ABBAS EXPRESS"	50236
BARGES	51156
BIBLIOGRAPHY	51833
BOOGABILLA	50605
CARGO HANDLING:	51664, 52010

SHIPS: ROLL-ON/ROLL-OFF VESSELS:--CONTINUED

CAVALLO	50230
CICERO	50230
DANA FUTURA	50228
DANA GLORIA	50228
DANA MAXIMA	50228
ELEO MAERSK	51868
EMIRATES EXPRESS	50236
EMMA MAERSK	51868
FORT ROYAL	51689
GREAT LAND, COPPER-NICKEL CLAD HULL	50826
LIFT UNIT FRAME CONCEPT	50899
MODEL TESTS ON	50659
NEDLOYD ROCHESTER	51687
NEDLOYD ROSARIO	51687
NEDLOYD ROTTERDAM	51687
NEDLOYD ROWEN	51687
NOPAL ARGUS, ANTIFOULING PAINT	50376
NOPAL MASCOT	50786
RABENFELS	51925
RHEINFELS	51925
SKALGRAN	51145
STENA OCEANICA	50436
STENA TOPPER	50606
STRUCTURAL ANALYSIS OF:	51554
SURVIVAL CAPABILITIES OF	51010
TEL PROGRESS	51867
TEL PROSPERITY	51867
THEBELAND	50048, 51325
TYRUSLAND	51325
WATERTIGHT SUBDIVISION	51333
WESTWARD VENTURE, COPPER-NICKEL CLAD HULL	50826
ZINCMASTER	51686
SALVAGE VESSELS:	
PRINCIPAL CHARACTERISTICS OF	51891
SHALLOW-WATER:	
DESIGN OF	50806
SINGLE-SCREW:	
CONTAINERSHIP	51702
PROPULSION REQUIREMENTS	51989, 51990
SLENDER VESSELS:	
BOW PROBLEM:	51592
LATERAL FORCES ON:	51399
SMALL CRAFT:	
CONSTRUCTION OF	50690
SUBMARINE RESCUE:	
ASR/T-ASR FEASIBILITY STUDY	50246
SUBMERGED:	
SEMI-SUBMERGED:	
FISHING VESSELS	50253
SUBMERSIBLES:	
CLASSIFICATION REQUIREMENTS FOR	50932
CONSUB 2, UNMANNED	50777
DYNAMICS OF	51937
FLUID MEMORY EFFECTS ON TRAJECTORY OF	49918
GLASS-REINFORCED PLASTICS	50979
HEAVING RESPONSE AND STABILITY	49922
HUMAN FACTORS OF REMOTELY-CONTROLLED	52039

SHIPS: SUBMERSIBLES:-CONTINUED	
HYDRODYNAMIC CHARACTERISTICS	50678
PROPULSION SYSTEMS FOR	50168
RAPID SITE INVESTIGATION PRIOR TO USE OF	51311
SEMI SUBMERSIBLE:	
CRANE SHIP "BALDER"	50588
DERRICK BARGE	50945
DESIGN	49922
HITACHI ZOSEN COLUMN-TYPE	51285
MODELS UNDER WIND AND WAVE LOADING	50946
"NARWHAL"	50614
PERFORMANCE POTENTIAL OF	51922
PLATFORM	50034
PLATFORM "KAIMALINO"	50110, 40110, 50111, 51593
ACTIVE MOTION REDUCTION	50111
SEAKEEPING	50110
TURN CONTROL	51589
RESISTANCE OF	51855
UTILITY SERVICE VESSEL	50950
URF UNDERWATER RESCUE	51159
WIND EFFECTS ON SEMI-SUBMERSIBLE	50918
SUPPLY VESSELS:	
"ACADIAN MARINER"	51150
AUSTRALIAN DESIGN POLICY	50616
DAMAGE STABILITY STANDARD OF	51276
DECK WETNESS CHARACTERISTICS	51195
ENGINEERING ASPECTS OF	51853
"FORT AUSTIN"	50238
"FORT GRANGE"	50238
ICEBREAKING	51701
"IMPERIAL NOOTKA"	50427
"KRANTOR"	51148
LIFESAVING AND RESCUE EQUIPMENT TO BE CARRIED BY	51274
"MARINER"-CLASS	51150
MARKET	50780
REPLENISHMENT-AT-SEA	51696
REQUIREMENTS FOR	51274
"ROCKY GIANT"	50607
SEMISUBMERSIBLE	50950
"STAR PERSEUS"	51865
"STEPHANITURM":	51155, 51864
DIVING SUPPORT	50783
SURFACE-EFFECT:	
3,000-LT (3KSES) PROGRAM	51332
HIGH LENGTH-TO-BEAM RATIO	50113
NAVAL APPLICATIONS	50192, 50193
PLATFORM DESIGN	50966
POWERING PREDICTION FOR	50112
SLAMMING	50114
TECHNOLOGY DEVELOPMENTS	50058
SURVEY:	
DIRECTORY OF GEOPHYSICAL	50053
TANKERS:	
AIR QUALITY	52033
"ARCO ANCHORAGE", MANOEUVRING TESTS	51676
AUTOMATIC WELDING IN	50484
AUTOPILOTS	52019
"AZTEK"	51149

SHIPS: TANKERS:-CONTINUED

BARGES:

EMPERI AND REIUME 50066, 50066

BITUMEN-ASPHALT:

STELLA PROCYON 51157

CARGO/INERT-GAS SYSTEM OPERATION 50209

CHEMICAL:

AMMONIA:

CHANTIERS NAVALS DE LA CIOTAT 51083

CONTROLLED DISCHARGE OF WASHING WATER 51280

DESIGN: 51532

IBN ALBANNA 49888

IBN ROCHD 49888

STAINLESS STEELS AND CLAD PLATES IN 51173

ZINCMASTER 51686

COLLISION DAMAGE 52034

COLLISIONS:

ENERGY ABSORPTION IN 50083

CONTROL SYSTEMS:

OPERATIONAL PROBLEMS 50878

DATABASE CITATIONS 51112, 51113

DESIGN OF 550,000-DWT 51329

ENVIRONMENTAL IMPACT 50743

ESSO ITALIA:

MANOEUVRABILITY TESTS ON 51928

ESSO WARWICKSHIRE, MOORING SYSTEM 50587

EXCESS OF SUPPLY OVER DEMAND 50360

EXPLOSION PREVENTION 50028

FIRE PREVENTION 50028

FJORDSHELL, FLUIDISED-BED EXHAUST-GAS BOILER 50340

FLOW AROUND STERN 51198

FUEL EFFICIENCY 51036

GAS:

FRANCE-DUNKERQUE 51082

IMCO CODE FOR 51108

LNG: 51160, 51268

ARCTIC PROJECT 51077

COMMISSIONING OF 51251

COMPARISON OF SYSTEMS 50254

CONTAINMENT SYSTEM MARK III: 51564

CONTAINMENT SYSTEMS 51078

"EL PASO PAUL KAYSER" 50604

"EL PASO SOUTHERN", "EL PASO ARZEW"

"EL PASO SOUTHERN" 50423

GAS-TURBINE PROPULSION 51427

GAS TURBINES FOR 51771

LIST OF 50052

LOADING AND UNLOADING 51087, 51088

"METHANE PRINCESS" AND "METHANE PROGRESS" 51252

"METHANIA" 50604

OPERATIONAL EXPERIENCE 51250

RELIABILITY OF 51476

SAFETY OF 51476

SERIES PRODUCTION OF 51080

SEMI-MEMBRANE PROTOTYPE TANK TEST 51166

STORAGE 50284

TEMPERATURE DISTRIBUTION IN TANK SPACES 50078

LNG/ETHYLENE:

"LUCIAN" 50495

INDEX

SHIPS: TANKERS:-CONTINUED

LPG:		51268
"BERGE SISU"		50603
CHANTIERS NAVALS DE LA CIOTAT		51083
FUTURE OF		51086
STORAGE		50284
LPG/ETHYLENE:		
"ADMIRAL CABRAL"		50434
LPG/NH3.		49897
HULL FORM	50809,	50990
INTEGRATED TURBINE CONTROL SYSTEM		50000
ISMARA, FOR WINE, EDIBLE OILS, MINERAL-OIL PRODUCTS, AND C-		
HEMICALS		50235
LAY-UP CONSIDERATIONS		50360
LONGITUDINAL STRESSES IN		50989
MANOEUVRABILITY PROBLEMS		50022
MANOEUVRING CONTROL THEORY		51103
MARITIME ADMINISTRATION CONSTRUCTION PROGRAMME		50965
"MOBIL JADE", NOISE AND VIBRATION LEVELS	50385,	50386
"NANNY"	50963,	51147
NOISE LEVELS		52008
NUCLEAR PROPULSION OF	51040,	51041
OIL DISCHARGES:		51678
OPERATING COSTS		49980
POLLUTION	50909,	51678
PRODUCT CARRIERS:		
LAUNCHING AND JOINING.		50140
REAL-TIME SIMULATION OF OPERATIONS		51449
"SAN CLEMENTE":		
FLUE GAS INERTING SYSTEM:		51631
"SAN DIEGO"-CLASS:		
CARGO CONTROL		51472
ENGINE-ROOM AUTOMATION:		51640
FLUE GAS INERTING SYSTEM		51631
"SANTILLANA", MONITORING SYSTEM		50547
SEWAGE SLUDGE:		
"DIVIS II"		51146
TANK ATMOSPHERE CONTROL		51098
TANK ELECTROSTATIC MODEL STUDIES		51099
TOWING SYSTEM		50933
TRANSVERSE STRENGTH OF		51174
TWIN-HULL		49896
VIBRATION LEVELS		52008
"VIKING GULL"		51144
VISCOUS RESISTANCE OF MODEL		51377
WITH LONGITUDINAL BULKHEAD		51174
TRAINING VESSELS:		
FISHERIES		51165
TUG-BARGE:		
EVALUATION OF		51054
TUGS:		
"AL GHARIAH", "AL JUMAILAH", "AL SAILIAH", "AL SHAHANIAH", "		
AL SOWDHILAH"		50789
"ARION"		50794
"BUTZFLETH"		49890
"CHARLES H. CATES VII"		49891
FIRE PROTECTION, PREVENTION, AND EXTINCTION IN.		50216

SHIPS: TUGS:-CONTINUED	
"FORMIDABLE"	50790
"HAABULL"	50792
"HUSKY"	50608
ICEBREAKING:	
"KATMAI BAY"	51693
"INDOMITABLE"	50790
"J.J. OBERDORF"	51156
"JOHN"	50793
"LADY DEBBIE"	50791
"LADY MOIRA"	50791
"NEPTUN SUECIA"	49889
OPERATING MODES OF PROPULSION PLANT	51451
"PACIFIC CHALLENGE", TWIN THRUSTERS	51426
PUSHER:	
AFTERBODY FORM OF	51162
TWIN-SCREW	51162
"SEA SWIFT", MANOEUVRING TESTS	51676
TOWING HORSEPOWER REQUIRED	50948
TWIN-SCREW:	
PUSHER TUGS.	51162
TANKER "NANNY"	51147
U.S. COAST GUARD CUTTERS:	
DESIGN OF	50810
HULL COATINGS	50924
"POLAR STAR", FLOW ANALYSIS	50469
U.S. COAST GUARD VESSELS:	
"FIREBUSH"	51840
"PAMLICO"	51841
"POINT HERRON"	51843
"VIGOROUS"	51839
WASTEWATER MANAGEMENT SYSTEMS	51837 TO 51845
"WHITE SAGE"	51842
VEHICLE CARRIERS:	
BENDING STRESS IN TEMPORARY DECKS	50080
MANOEUVRABILITY PROBLEMS	50022
"MARGARET MARU", CONVERSION OF	50435
"NOPAL MASCOT"	50786
SHEARING DEFORMATION IN CROSS SECTIONS	50076
WIDE SHALLOW VESSELS:	
COMPUTER AIDED PRELIMINARY DESIGN OF:	51533
YACHTS:	
GAS TURBINES:	51616
SHIPS BOTTOMS:	
BUCKLING STRENGTH OF PLATING	51894
SHIPYARDS:	
AIR-CUSHION TRANSPORT	51949
COMMUNICATIONS	51206
COST PREDICTION IN	50138
INFORMATION	51206
INSTITUTIONS:	
SYSTEMS AND OPERATIONS	51015
MEDIUM-SIZED:	50854
MITSUBISHI KOBE.	51948
NOISE CONTROL:	51064
OIL SPILLAGE PREVENTION	51724
PALLION SHIP FACTORY	51011
PLANNING PRINCIPLES	50854

SHIPYARDS:-CONTINUED	
PRODUCTION FACILITIES ANALYSIS	50854
PRODUCTIVITY IMPROVEMENT IN	49941, 51413
SPECIAL EQUIPMENT	50135
U.S. NAVY WORK	50855, 50856
U.S. TECHNOLOGY SURVEY	51951
WORKER EMPLOYMENT AND TURNOVER	50688
SICKBAYS:	
DESIGN	51888
SIMULATION:	
LNG CARGO	51079
OF OCEAN VEHICLES:	51639
SIMULATORS:	
COST AND BENEFIT OF	51091
DIESEL-ENGINE	51233
IHI SHIP SYSTEM	51092
MAIN MACHINERY	51094
MANOEUVRABILITY	51097
MANOEUVRING	51096
TRAINING AND RESEARCH	51093
WARSASH SHIP	51090
SLAG REMOVAL:	
ON WELDS	50486
SLAMMING:	
AIRCRAFT-CARRIER BOW CONFIGURATION EFFECTS	50293
AND WHIPPING VIBRATION STRESS	50972
DAMAGE FROM	50625
DATA-RECORDING INSTRUMENTATION	51169
DYNAMICS OF	49921
IN REGULAR WAVES	50655
OF AIRCRAFT CARRIER BOW CONFIGURATIONS	50293
OF SURFACE-EFFECT SHIPS IN WAVES	50114
ON OFFSHORE STRUCTURES	50680
PROBABILITY THEORY	50106
SHIP BOTTOMS	51717
SLOSHING:	
AND ITS EFFECTS ON THE INTERNAL MEMBERS OF CARGO TANKS	50630
IN TANKS	50107, 50631
SLOW SHIPS:	
WAVE-RESISTANCE THEORY FOR	49934
SLURRIES:	
BULK TRANSPORT	50903
SODIUM DETERMINATION:	
IN FUEL OIL	50504
SOUND LEVEL METERS:	50725
SOUND LEVELS:	
STRUCTURE-BORNE	51068
SOUND TRANSMISSION:	
STRUCTUREBORNE	51070
SOUND WAVES:	
SCREENING WITH SPHERE SITUATED IN PROXIMITY OF IDEALLY REFLECTIN-	
G FLAT SURFACE	50204
SPADES SYSTEM:	51019
SPARES/STOCK CONTROL	51254
SPECKLE PATTERN INTERFEROMETRY:	51182
SPECTROMETRIC ANALYSIS:	
OF RESIDUAL FUELS	50505

[illegible]

STABILITY:-CONTINUED	
TRANSVERSE:	
OF FAST ROUND BILGE HULL	51351
OF TRAWLER	51199, 51200
STABILITY CONSIDERATIONS:	
IN LHA-1 CLASS	50440
STABILITY CURVES:	
MINIMUM GM AND MAXIMUM KG	49937
STABILIZERS:	
INTEGRATED CONTROL SYSTEM	51933
STACK DESIGN TECHNOLOGY:	
FOR NAVAL AND MERCHANT SHIPS	51330
STATISTICAL EVALUATION:	
OF WAKE SURVEY TECHNIQUES	51372
STEAM CYCLE:	
ADVANCED	51741
FOR HIGH STEAM PRESSURE AND LOW FUEL CONSUMPTION:	51780
STEAM INJECTION EFFECT:	
ON GAS-TURBINE CYCLE	50490
STEEL:	
AUSTENITIC STAINLESS:	
ZINC EMBRITTLEMENT.	51732
CORROSION BY FLUE GASES	50198
MILD:	
NITRATE STRESS CORROSION OF	51733
WELDING:	
OFFSHORE STRUCTURES AND SUBMARINE PIPELINES	51852
STEEL COILS:	
CARGO LOADS	50206
STEEL OFFSHORE STRUCTURES:	
FOR OIL AND GAS.	50036
STEEL SECTIONS:	
PRODUCTION OF	50860
STEELS:	
CLAD:	
FOR TANKS	50464
CONTAINER	51460
FATIGUE STRENGTH OF BUTT WELDS	50822
FOR CRYOGENIC SERVICE	51337
FOR OFFSHORE STRUCTURES	50403, 51487
PRESTRESSING UNDER LOW TEMPERATURES	50285
SHIP:	
EFFECT OF STRAIN RATE ON TOUGHNESS OF	50976
FRACTURE BEHAVIOUR OF	51170
FRACTURE OF.	51171
STAINLESS:	
FOR TANKS	50434, 50464, 51173
STRUCTURAL:	50976
FATIGUE IN SEA WATER	51055
STEELWORK:	
CLASSIFICATION SYSTEM FOR CODIFYING STRUCTURAL COMPONENTS.	51209
STRUCTURAL:	
COMPONENT CLASSIFICATION:.	51603
STEERING:	
DYNAMICS OF	52020
LARGE RUDDER ANGLES	50874
STEERING GEAR:	
SPECIAL	49996
STEERING SYSTEMS:	
RELIABILITY	51677

INDEX

STERN:		
VISCOUS FLOW NEAR		51369
STERN-BLUNTNESSE EFFECTS:		
ON VISCOUS RESISTANCE		49920
STERN GEAR:		
BEHAVIOUR REVIEW		51764
STERN TUBES:		
LASER BEAMS FOR BORING OF		50482
STERNS:		
FLOW FIELD AROUND		50836
STIFFENED PLATES:		
IN ULTIMATE LIMIT STATE		50269
STIFFENER END BRACKETS:		
FATIGUE CRACK PROPAGATION		50980
STIFFENERS:		
HAT-SHAPED		50831, 51893
STILL-WATER LOADS:		51546
STIRLING ENGINE:		
DEVELOPMENT OF		49985
STOCHASTIC PREDICTION:		
OF IMPACT PRESSURE DUE TO SHIPPING WATER		51184
STORAGE BINS:		
FLOW FROM BULK-SOLIDS		50905
STRAIGHTENING:		
OF HULL PARTS BY INDUCTION HEATING		50328
STRAIGHTENING PROCESSES:		
FLAME		50483
STRAIN GAUGE PRACTICE:		51180
STRAIN GAUGE RECORDERS:		51901
STRAIN MEASUREMENT:		
OPTICAL METHODS FOR		51182
PHOTOELASTIC		51181
MOIRE FRINGES FOR		51182
STRAIN-RATE:		
EFFECT ON TOUGHNESS OF SHIP STEELS		51170
STRAY CURRENTS:		
EFFECT ON CORROSION OF PRESTRESSED CONCRETE		50930
STRENGTH:		
LONGITUDINAL:		
AND FATIGUE STRENGTH		50833
IN HEAD SEAS		51910
TRANSVERSE:		
OF ORE CARRIERS		50830
OF TANKERS		51174
STRENGTH ANALYSIS:		
NON-LINEARITIES IN		50815
STRESS:		
CONTAINERSHIP:		
IN CONFUSED SEA		51704
STRESS ANALYSIS:		
OF COMBUSTION ENGINE COMPONENTS		49990
OF CRANKSHAFTS		50521
STRESS CALCULATION:		
FOR COAMING-REINFORCED OPENINGS		51186
STRESS CONCENTRATIONS:		
AROUND DOORS		50465
AROUND OPENINGS		50465

STRESS CORROSION:	
NITRATE:	
OF MILD STEEL	51733
STRESS DETERMINATION:	
HATCH CORNERS OF ORE/OIL CARRIERS	51340
STRESS DISTRIBUTION IN SCREW THREADS:	51904
STRESS FUNCTION APPROACH:	
TO FINITE ELEMENT METHODS	50263
STRESS MEASUREMENT:	
METHODS AND PRACTICE FOR	51180
ON DERRICK BASE STRUCTURE	51568
OPTICAL METHODS FOR	51182
PHOTOELASTIC	51181
STRESSES:	
BENDING.SEE BENDING STRESS	
DUE TO WAVE FORCES	50920
FILLET:	
IN TUBULAR JOINTS	51486
FOR PROPELLER ALLOYS	51384
IN HULLS WITH LARGE DECK OPENINGS UNDER TORSION	50088
IN PIPING	50981
IN RANDOM SEAS	50820
IN TANKER	51178
IN TANKS	50638
IN UNDERSEA CABLES	50775
LONGITUDINAL:	
IN TANKER IN SEA WAVES	50989
MINICOMPUTER CALCULATION	50745
ON CONTAINER SHIPS	50081
SHIP-STRUCTURE	51172
WHIPPING VIBRATION	50972
STRUCTURAL ANALYSIS:	
COMPUTER-ORIENTATED:	51553
DIRECT CALCULATION METHODS:	51554
NUMERICAL METHODS IN:	51555
OF RO-RO SHIPS:.	51554
STRUCTURAL BEHAVIOUR:	
FROM FREQUENCY RESPONSE DATA:	
MODELLING OF	51829
STRUCTURAL RESPONSE:	51540, 51541
STRUCTURES:	
CONNECTIONS:	
DESIGN:	51559
DESIGN OF:	
SAFETY AND RELIABILITY CONSIDERATIONS	50024
DYNAMIC BEHAVIOUR:	51552
FATIGUE AND FRACTURE:	51551
INTERMEDIATE SUPPORT, VIBRO-ACOUSTIC CHARACTERISTICS OF	50202
SEAWORTHINESS:	
COMPUTER PROGRAM:	51563
SHIP:	
ALGORITHM FOR SUBSTRUCTURAL ANALYSIS OF STRENGTH OF	50089
CORROSION FATIGUE IN	51344
DESIGN	50976
DETAIL DESIGN REVIEW	49902
DIMENSIONING CRITERIA	50812

STRUCTURES: SHIP:-CONTINUED	
FINITE ELEMENTS FOR DESIGN CALCULATION	50814
IMPERFECTIONS IN:	51558
IN-SERVICE PERFORMANCE SURVEY	49905
MODAL SYNTHESIS TECHNIQUES	50626
RELIABILITY OF	51175
SAFETY MARGINS:	51556
SAFETY UNIFICATION	50629
STATIC STRENGTH AND DYNAMIC RESPONSE:	51555
TOLERANCES SURVEY	49906
STRUTS:	
BUCKLING AND COLLAPSE OF	50830
SUBMERGED STRUCTURES:	
VIBRATION ANALYSIS OF	51895
VIBRATION OF	50267
SULPHIDATION CORROSION INHIBITOR:	51981
SULPHIDE-POLLUTED SEAWATER:	
CORROSION OF COPPER-NICKEL ALLOYS IN	50382
SUPERCHARGERS:	
MULTIPLE CONVERTER	49975
SUPERCONDUCTORS:	
MACHINERY PROGRAM	50865, 50866
SUPERHEATERS:	
FLOW DISTRIBUTION IN	50338
FLUID BED COMBUSTION(FBC)	51743
SUPERSTRUCTURE SPACES:	
IN CARGO VESSELS	50065
SUPERSTRUCTURES:	
DECKS:	
NATURAL FREQUENCIES	51896
DESIGN	51887
MOVABLE	50808
VIBRATION:	51542
VIBRATION OF	50005, 50008, 50010
SUPPORT DISPLACEMENT:	
SUPPORT REACTIONS DUE TO	50087
SUPPORT MOMENTS:	
AND REACTIONS DUE TO HULL DEFORMATION	50086
SUPPORT REACTIONS:	
DUE TO SUPPORT DISPLACEMENT	50087
SURFACE FORCES:	
CAVITATION EROSION AND NOISE:	51576
SURFACE-PIERCING FLAT PLATE:	
YAWING MOTIONS ON	50843
SURFACE PREPARATION:	
TRAINING:	51654
SURFACE ROUGHNESS:	
AND COATING THICKNESS MEASUREMENT	51258
AND TURBULENT BOUNDARY LAYERS	51375
AND TURBULENT WALL FRICTION ON HULLS	51374
EFFECT ON FRICTIONAL RESISTANCE	51373
SURFACE-ROUGHNESS EFFECTS:	
ON VISCOUS RESISTANCE	49920
SURFACE TREATMENT:	
MECHANICAL	50711
SURVIVAL CRAFT:	50029
SWATH:	51719, 51922
ACTIVATED FIN EFFECTS	50665

SWATH-6A:	
POWERING CHARACTERISTICS	50557
SWATH CONCEPT:	
HEAVE ADDED MASS AND DAMPING	50292
HEAVE-MOTION COEFFICIENTS	50291
MILITARY UTILITY	50190
OPERATIONAL EXPERIENCES WITH	50191
SWATH FISHING VESSEL	50253
SWATH SECTIONS:	
ADDED MASS AND DAMPING COEFFICIENTS OF TWO-DIMENSIONAL	50997
SWATH SHIP CONCEPT:	50056, 50057, 50190, 50191
SWATH SHIP DESIGN:	50057
SWATH SHIP FORM:	
HEAVE AND PITCH REGULAR WAVE EXCITING FORCES AND MOMENTS	50098
MODEL TESTS ON	50097
RESISTANCE AND PROPULSION CHARACTERISTICS	50097
SWATH-TYPE VESSELS:	
"KAIMALINO"	50100
SYNCHROLIFT SYSTEM:	50318
SYNTHESIS MODELS:	50805
SYSTEM DYNAMICS MODEL:	51205
SYSTEMS THEORY:	
IN NAVAL ARCHITECTURE	51939

T

T-JOINTS:	
FATIGUE FAILURE:	
FRACTURE MECHANICS ANALYSIS OF	51483
TAIL-SHAFT ALIGNMENT PRACTICE:	51764
TAILSHAFTS:	
DESIGN, INSTALLATION, SURVEY AND REPAIR OF	51392
TANK PADS:	51570
TANKS:	
ALUMINIUM LNG SPHERES	51416
BILGE HOPPER	50079
BREATHING-AIR SYSTEM FOR ENTERING	51273
CARGO:	
GRP PIPES IN	50255
INTEGRATED ENTRY EQUIPMENT	50393
STAINLESS-STEEL	50434
TOXICITY VERIFICATION	50393
CATHODIC PROTECTION:	51653
CHEMICAL:	
CLAD STEELS.	50464
STAINLESS STEELS	50464
STAINLESS STEELS AND CLAD PLATES IN	51173
CLEANING OF	51479, 51480
CONTAINER	51464
CONTROLLED DISCHARGE OF WASHING WATER	51280
CORROSION PROTECTION:	51649
CRUDE OIL WASHING:	51672
DRINKING WATER:	
FILLING CONNECTION:	51569
ELECTRICAL PROPERTIES OF COATINGS	50561
FLAME CONTROL DEVICES:	51674
LNG:	
INVAR MEMBRANE CONTAINMENT SYSTEM	51168

TANKS:-CONTINUED

SEMI-MEMBRANE TYPE.	51166
SPHERICAL:	
ON CONTINUOUS CYLINDRICAL SKIRTS	51167
OIL QUANTITY REMAINING AFTER DISCHARGE	51269
OIL/WATER SEPARATION	51835
OVERPRESSURE AND UNDERPRESSURE DURING LOADING AND UNLOADING:	51673
PORTABLE	51188
PRESSURE	49897
ROAD VEHICLES	51188
SLOSHING EFFECTS	50630
SLOSHING IN	50107, 50631
STRESSES IN	50638
TEMPERATURE DISTRIBUTION	50078
TOWING:	
LASER-DOPPLER ANEMOMETERS.	50315
VENTING SYSTEMS:	51674
VIBRATION OF	50266
TANNIN TREATMENTS:	
FOR RUSTED STEEL	50381
TELEMETRY:	
FOR ROTATING MEASUREMENTS ON TURBOMACHINERY.	50507
TELEVISION:	
IN SHIP OPERATION	51474
TEMPERATURE EFFECTS:	
IN CONTAINERS	50569
TEMPERATURE MEASUREMENT:	
METHODS AND PRACTICE FOR	51180
TENSION:	
FERROCEMENT IN	50973
TERMINAL DESIGN:	
INFLUENCE OF SHIPS' WAITING AND TURN-ROUND TIMES	50355
TERMINALS:	
FLOATING:	
LNG PLANT	50404
FOR MANGANESE NODULE CARRIERS.	50218
OFFSHORE:	
MOORING PROBLEMS	50587
OPEN-SEA DOLPHIN-TYPE BERTHS	50597
THERMAL ENERGY:	
OCEAN CONVERSION	50954, 50956, 50960
THERMAL ENVIRONMENT:	52029
THERMAL FLUID HEATING:	51801
THERMAL INSULATION:	
OF REFRIGERATION PLANT.	50169
'THORDON' ELASTOMERIC BEARING MATERIAL	51996
THROTTLING ORIFICES:	
SIZING OF	51446
THRUSTER ALLOCATION LOGIC:	
WITH RUDDER INTERACTION	50415
THRUSTERS:	
CONTROLLABLE-PITCH TRANSVERSE.	50609
IN TUG 'PACIFIC CHALLENGER'	51426
RECENTLY INTRODUCED	49996
RETRACTABLE CONTROLLABLE-PITCH	51437
SCHOTTEL DYNAMIC-POSITIONING	50607
WHITE GILL 360-DEG. SYSTEM	51957

TRIBUTYLTIN FLUORIDE:	
ANTI FOULING COATINGS	51257
TRIPHENYLTIN FLUORIDE COATINGS:	51456
TRIPOSIX SHIP TRIALS SPEED AND POSITION MEASURING SYSTEM:	50214
TURNIONS:	
FOR CP PROPELLER BLADE.	51386
TURBINE BLADES:	
DAMPING PROPERTIES OF	51438
EROSION	50506
IMPULSE CASCADES WITH MEDIUM DEFLECTION	50491
VIBRATION OF	50200
TURBINES:	
AUTOMATION MAINTENANCE AND REPAIR	50529
GAS:	
AEROFOILS	51982
AUXILIARY	51775
AVCO/LYCOMING TF-35-43C1A:	51610
CERAMIC DEVELOPMENTS	50873
CERAMICS FOR	51984
CLOSED-CYCLE:	50492, 50513, 51612, 51628, 51630
CLOSED-CYCLE HELIUM:	51613
CONSTANT-VOLUME	51229
CONTROL PROBLEMS	51237
CONTROL SYSTEM FOR	50552
DEGRADATION MECHANISMS	51985
DESIGN AND PLANT STUDIES	51045
DETROIT DIESEL ALLISON 570-K 7000-SHP	50515
EFFICIENCY OF	51045
EROSION IN	50506
EXHAUST-GAS POWER RECOVERY:	51619
FOR LNG CARRIERS	51771
FOR NAVAL VESSELS	50508
FOR SMALL FAST SHIPS	49968
FOR TANKERS	51427
FT-4C-1	51978
GARRETT GTPF990	50497
GEAR DESIGN	49964
GENERAL ELECTRIC (USA) LM 2500	49964
HIGH-TEMPERATURE BLADE WATER-COOLING CHANNELS	50494
HOT CORROSION	50501, 51980
IN CONTAINERSHIPS	51429
IN FERRIES:	51610
IN FRIGATE "OLIVER HAZARD PERRY"	50509
IN ICEBREAKERS	50523
IN PATROL VESSEL	50514
IN TANKER "LUCIAN"	50495
IN TYPE 42 DESTROYER	51249
INDUSTRIAL:	51615
INLET SYSTEM DEVELOPMENT PROGRAMME	51979
ISOLATED REVERSE:	51614
LIGHTWEIGHT PROPULSION SYSTEMS	50513
MEASUREMENT OF SPEED, TEMPERATURE AND PRESSURE IN	50499
MONITORING:	51609
OFFSHORE APPLICATIONS:	51615
OPEN-CYCLE:	50513, 51630
POWER TRANSMISSION	51431
RECUPERATORS IN	50498

TURBINES: GAS:-CONTINUED			
ROLLS-ROYCE OLYMPUS TM3B	.	.	50516
ROLLS-ROYCE SPEY SM1A	.	.	50500
ROLLS-ROYCE TYNE RM1A AND RM1C	.	.	50516
SEA SALT IN.	.	.	51986
'SECOND GENERATION'	.	.	51045
SMALL CRAFT INSTALLATIONS:	.	.	51616
STEAM INJECTION	.	.	50490
SULPHIDATION CORROSION INHIBITOR.	.	.	51981
WASTE-HEAT RECOVERY:	.	50511,	51618
MATERIALS AND COATINGS.	.	.	51983
STEAM:			
ADVANCED CYCLE FOR.	.	.	51780
ADVANCED REHEAT PLANT	.	.	51742
ALTERNATIVE TO DIESEL PROPULSION.	.	.	51220
ASTERN POWER:	.	.	51626
ATLANTIQUE-STAL LAVAL AP45	.	.	50604
BRIDGE CONTROL	.	.	51246
COAL BURNING	.	.	51220
COMPARISON WITH DIESEL ENGINES	.	.	49954
COMPETITIVE POTENTIAL FOR.	.	.	51966
CONTROLS FOR	.	.	51972
CYCLE IMPROVEMENTS.	.	.	51967
DESIGN AND DEVELOPMENT	.	.	51974
FLUIDISED BED COMBUSTION	.	49959,	49960
FOR ICEBREAKERS	.	.	51701
FUEL-CONSUMPTION	.	.	51220
FUEL CONSUMPTION RATES	.	.	51794
FUTURE COMPETITIVENESS	.	.	51965
FUTURE PROSPECTS	.	.	51964
GEARED	.	.	51974
GENERAL ELECTRIC	.	.	50963
GENERAL ELECTRIC CROSS-COMPOUND	.	.	51147
GENERAL ELECTRIC MST-21	.	.	51974
GENERATING PLANT	.	.	51797
HEAT-CYCLE SYSTEMS.	.	.	50870
INTEGRATED TURBINE CONTROL SYSTEM	.	.	50000
MODE SHAPE VERSUS SOUND PRESSURE LEVEL	.	.	51066
MONITORING OF	.	50546, 50547,	50548
MST-21	.	.	51220
OPERATING EXPERIENCE	.	.	51970
REHEAT	.	.	50525
REHEAT CYCLE	.	51966, 51968,	51974
REHEAT PLANT	.	.	49962
THREE-CASING	.	.	50525
TUNING	.	.	51740
VERY ADVANCED PROPULSION(VAP)	.	51743, 51966, 51968,	51975
TURBO-GENERATORS:			
DEVELOPMENT OF LOW-PRESSURE	.	.	51797
TURBOCHARGERS:			
BROWN BOVERI'S VTR '4' SERIES.	.	.	51223
ELECTRICAL AUXILLIARY DRIVE SYSTEM	.	.	51958
MATCHING TECHNIQUES	.	.	51217
PULSE-CONVERTER.	.	.	50868
UTILIZATION WITH HYPERBAR PARALLEL SUPERCHARGING	.	.	51218
TURBOCHARGING:			
OF MEDIUM-SPEED FOUR-STROKE ENGINES	.	.	51214

OF OPPOSED-PISTON TWO-CYCLE ENGINES	51215
TWO-STAGE	51785
TURBOGARD GAS-TURBINE ADDITIVE:	51981
TURBOMACHINERY:	
TELEMETRY FOR ROTATING MEASUREMENTS ON	50507
TURBOMACHINERY BLADE DESIGN:	
COMPUTER PROGRAMS	50496
TURBULENCE:	
WALL	51365
TURBULENT BOUNDARY LAYERS:	
INCOMPRESSIBLE THREE-DIMENSIONAL	51009

U

ULTRASONIC TESTING:	
OF PROPELLERS	51395
WELD DEFECTS IN FERRITIC STEELS	51341
UNCOMPLETED PRODUCTS:	
COST-INCREASE CURVES FOR	49943
UNDERSEA MANIPULATOR SYSTEMS:	51140
UNDERWATER CONSTRUCTION AND SALVAGE:	
TOOLS AND EQUIPMENT	51139
UNDERWATER CONTRACTOR:	50958
UNITED STATES:	
LINER SHIPPING	51253
NATIONAL SHIPBUILDING RESEARCH PROGRAM	51602
SHIPBUILDING INDUSTRY	49906, 50691, 51727
SHIPPING INDUSTRY	50737
SHIPYARDS SURVEY	51951
UNITED STATES COAST GUARD:	
MERCHANT MARINE TECHNICAL DIVISION	50756
RISK ANALYSIS SYSTEMS	50399
UNITED STATES NAVY:	
SHIPBOARD MANNING	50705
SHIPYARD WORK	50855, 50856
UNLOADING SYSTEMS:	
FOR BULK CARRIERS:	51803
UPTAKE AND FUNNEL ASSEMBLY:	49942

V

VALVES:	
FOR MARINE SERVICE	51973
FOR PRESSURE VESSELS	51277
FUNCTION AND PROTECTION IN OFFSHORE ENVIRONMENTS	51116
GLAND LEAKAGE	51241
IN PUMPING SYSTEMS	51240
RELIEF:	
SIZING OF	50877
STANDARDS	50348
STEAM POWER PLANT	51973
STEEL:	
PRESSURE-TEMPERATURE RATINGS OF	50528
VALVES AND FITTINGS:	
CODES AND STANDARDS FOR	50528
VAPOURS:	
TOXIC, MONITORING OCCUPATIONAL EXPOSURE TO	49952
VENTILATION:	
OF HOLDS	49997

VIBRATING STRUCTURES:		
PARAMETER IDENTIFICATION TECHNIQUES FOR		51260
VIBRATION:		
AFT-END SHAPING TO LIMIT		50894
ASSESSMENT OF		50894
BRIDGE:		
ON H.M.A.S. "LABUAN"		50199
CALCULATION IN THIN-WALLED SHELLS		51343
CAVITATION-INDUCED	50894,	51264
CONDITION MONITORING (KURTOSIS)		50721
CONTROL APPARATUS		50719
CORRELATION STUDY		51263
DAMPING ABSORBER		50722
EFFECT ON HUMAN DISCOMFORT		50723
ENTRAINED WATER IN		50072
FAULT DETECTION BY MEASUREMENT OF		51067
HULL:		
DAMPING COEFFICIENTS FOR VERTICAL		51897
DIESEL-ENGINE MOMENT-COMPENSATOR.		50720
ENGINE-EXCITED		50526
FORCED TRANSVERSE		50718
MATHEMATICAL MODELS		50717
PROPELLER-INDUCED		51363
RESPONSE FACTORS IN		50566
VIRTUAL INERTIA COEFFICIENTS		50566
WAVE-INDUCED		50891
HYDRODYNAMIC MASS MATRIX		50072
IN TANKER "MOBIL JADE"	50385,	50386
LOW-FREQUENCY MEASUREMENTS		50010
MONITORING OF OFFSHORE STRUCTURES		51497
OF AXIALLY-LOADED STIFFENED CYLINDRICAL SHELLS		50715
OF CYLINDERS		51356
OF CYLINDRICAL STRUCTURES IN FLUID FLOW		50716
OF DIESEL ENGINES		50334
OF HULL STRUCTURES		50082
OF LARGE SHIPS		50892
OF PIPELINES		50724
OF PROPELLER SHAFT SYSTEMS		51265
OF SANDWICH STRUCTURES.		50203
OF STIFFENED RECTANGULAR PLATES WITH HINGED SUPPORTS		50009
OF SUBMERGED STRUCTURES		50267
OF SUPERSTRUCTURES	50005, 50008,	50010
OF TANKS		50266
OF TURBINE BLADES		50200
ON TANKERS		52008
PRESSURE DISTRIBUTION OVER SURFACE OF SOLID VIBRATING WITHIN SEM-		
I-COMPRESSIBLE FLUID		49936
PROPELLER:		
HYDRODYNAMIC REACTIONS TO		51909
PROPELLER-BLADE:		
HYDRODYNAMICS OF		51389
PROPELLER-EXCITED:		51552
RESPONSE EVALUATION ON LARGE, FLEXIBLE, ELASTICALLY SUPPORTED SLA-		
BS		51071
SEMISUBMERSIBLE CATAMARAN		50201
SHRIMP INVESTIGATION METHOD		50893

VIBRATION:-CONTINUED

STRUCTURAL:	
FINITE ELEMENT MODELLING OF	51262
SUPERSTRUCTURES:	51542
SYNMOD 1 PROGRAM FOR ANALYSIS OF	50626
THEORY	50893
TORSIONAL:	
LASER PROBE.	50727
MONITORING SYSTEM	50534
OF DIESEL-ENGINE SHAFTING.	50175
VIRTUAL MASS REDUCTION FACTORS	51908
WHIPPING STRESS.	50972
VIBRATION ABSORBERS:	
FOR LINEAR DAMPED SYSTEMS	51266
VIBRATION ANALYSIS:	
OF AXI-SYMMETRIC SHELL STRUCTURES	50012
OF SUBMERGED STRUCTURE	51895
VIBRATION CONTROL:	
IN SHIPS AND MARINE STRUCTURES	50006
VIBRATION RESPONSE:	
OF DEEPWATER STRUCTURES	51111
VIBRO-ACOUSTIC CHARACTERISTICS:	
OF INTERMEDIATE SUPPORT STRUCTURES	50202
VIRTUAL MASS REDUCTION FACTORS:	51908
VISATRON OIL-MIST DETECTORS:	51051
VOITH WATER-TRACTOR:	50794

W

WAKE REGION:	
FLOW MEASUREMENT IN	51912
WAKE SIMULATION IN MODEL TESTS:	51938
WAKE SURVEY:	
ON SMALL AND LARGE SHIP MODELS	50991
WAKE SURVEY TECHNIQUES:	
STATISTICAL EVALUATION OF	51372
WAKES:	
AND BOUNDARY LAYERS	51368
IRROTATIONAL FLOWS	50103
NEAR-WAKE:	51572
PREDICTION BY CALCULATION:	51573
VELOCITY MEASUREMENT IN	50684
WASHING SYSTEM:	
FUEL-OIL	51807
WASTE DISPOSAL:	
EQUIPMENT MANUFACTURERS	51110
WASTE HEAT-RECOVERY:	
GAS-TURBINE:	50511, 51618
WASTE TREATMENT:	
EQUIPMENT MANUFACTURERS	51110
WASTEWATER MANAGEMENT SYSTEMS:	51837 TO 51845
WATER:	
OIL DETECTION IN	50760
WATER CIRCULATION LOOPS:	
DESIGN PRACTICE.	51745
WATER DEPTH RESTRICTION EFFECTS:	50649
WATER-JET PROPULSION SYSTEMS:	51221, 51610
WATER LOADS:	
ON FIXED, RIGID MARINE STRUCTURES	51287

WAVE RESISTANCE:	
AIR-CUSHION VEHICLES	50105
IN STEADY RECTILINEAR MOTION IN CALM SEA	51709
OF FULL SHIP IN MEDIUM SPEED	50646
WAVE-RESISTANCE THEORY:	
FOR SLOW SHIPS	49934
WAVE RESPONSES:	
OF HULL SECTIONS	51932
WAVE STATISTICS:	50303
WAVE TIDAL/OCEAN THERMAL ENERGY STRUCTURES:	51134
WAVE TORSIONAL MOMENT:	
DESIGN VALUES OF	51185
WAVE VARIATIONS:	
IN NORTH SEA	50943
WAVEMETER DATA REDUCTION AND CORRELATION SAMPLE:	51899
WAVES:	
AND ENVIRONMENT:	51545
AND WAVE FORCES:	51289
BREAKING IN DEEP WATER:	52035
BREAKING IN DEEP WATER AND RESULTING WAVE FORCES	51410
DYNAMIC RESPONSE OF OFFSHORE STRUCTURES IN	51288
DYNAMIC RESPONSE TO	50925
MODEL TESTS ON SHIPPING WATER IN	50116
OBLIQUE REGULAR:	
DIFFRACTION PART OF DISTURBING FORCES IMPOSED ON SHIP BY	49927
PROPULSIVE PERFORMANCE OF SHIP IN REGULAR HEAD	49933
WEAR:	
OF CYLINDERS	51778
OF PISTON RINGS:	50165
OF STERN TUBE AND STRUT BEARING AND JOURNAL MATERIALS	50639
WEAR RESISTANCE:	
OF GEARS	50161, 50163
WEATHER:	
SAFETY IN ADVERSE CONDITIONS	51473, 51474
WEATHER DAMAGE AVOIDANCE SYSTEMS:	51100
WEATHER DAMAGE REDUCTION SYSTEMS:	50466
WEATHER EFFECTS:	
ON SHIP HANDLING	52018
ON SHIP SPEED	50195
WEIGHT:	
DESIGN ESTIMATE:	50442
FOUNDATIONS:	
RATIONAL DESIGN FOR MINIMUM	50463
WEIGHT CONSIDERATIONS:	
IN LHA-1 CLASS	50440
WEIGHT CONTROL OF U.S. NAVAL SHIPS:	51945
WEIGHT CONTROL PROGRAMS:	
U.S. NAVY	50441
WEIGHT DISTRIBUTION CATEGORISATION:	
FOR MILITARY VEHICLES	50969
WEIGHT ENGINEERING:	
COMPUTER-AIDED	50439
WEIGHT ESTIMATION, RECORDING, AND CONTROL	50243
WEIGHT MARGINS:	
FOR U.S. NAVY	50443
WEIGHT-PREDICTION METHODS:	50242
WELD DEFECTS:	
ULTRASONIC TESTING IN FERRITIC STEELS	51341

WELD METALS:		
HARDFACING		50452
WELDABILITY:		
AND MATERIALS REQUIREMENTS		50268
OF COPPER ALLOYS		50453
OF COPPER-NICKEL ALLOYS		50454
WELDED JOINTS:		
STRUCTURAL STEEL:		
FATIGUE STRENGTH OF		51489
WELDED STRUCTURES:		
ACCEPTANCE STANDARDS FOR DISCONTINUITIES		51339
ALUMINIUM		50823
FATIGUE LIFE ESTIMATION OF		50642
FINITE-ELEMENT TECHNIQUES FOR		50455
WELDING:		
ARC:		
AUTOMATIC HORIZONTAL AND VERTICAL FILLET ROBOT.		50148
AUTOMATIC:		
IN TANKER CONSTRUCTION		50484
ELECTROSLAG:		
OF STEEL PLATE BUTT JOINTS		50818
THERMAL DISTRIBUTION AND PROCESS PARAMETERS		50096
GAS TUNGSTEN-ARC		51324
OF CLAD PLATE STRUCTURES		50462
OF COPPER-AND COPPER-ALLOY CLAD STEELS		49909
OF PIPELINES		50044
ONE-SIDED:		
OF ALUMINIUM PLATE		51417
WITH CERAMIC BACKING		50862
SENSORS FOR FULLY-AUTOMATIC ARC		51953
SINGLE-SIDED		50487
STEEL:		
OFFSHORE STRUCTURES AND SUBMARINE PIPELINES		51852
STUD:		
UNDERWATER		50411
SUBMERGED-ARC:	50321, 50322,	50327
ARC BEHAVIOUR		50487
FLUX DEVELOPMENT		50487
FLUXES		50323
HIGH DEPOSITION RATE		50326
MULTIPOWER		50324
OF STEEL PLATE BUTT JOINTS		50818
PROCEDURE SELECTION IN		50325
TWO-WIRE AC-AC		50485
UNDERWATER:		
AUTOMATIC		50222
'DRI-WELD' PROCESS		50219
DRY HABITAT		50219
MANUAL 'WET'		50222
'WET' SHIELDED METAL ARC WELDING		50219
UNDERWATER REPAIRS		51494
UNDERWATER TECHNIQUES	51308,	51309
WELDING FLUXES:		
SUBMERGED-ARC	50323,	50487
WELDING FUME:		
CONTROL OF		50489

WELDING FUMES:	50152
HEALTH HAZARDS OF	
WELDMENTS:	50827, 51171
FRACTURE BEHAVIOUR OF	
WELDS:	50486
SLAG REMOVAL ON	
UNDERWATER:	51114
MECHANICAL PROPERTIES OF	
WELL AND CANAL:	50215
LOCK TRANSIT TIMES IN	50782
WESTERN FLYER PROJECT	
WHEELHOUSES:	51884
ERGONOMICS DESIGN	50972
WHIPPING VIBRATION STRESS:	
WHIRLING:	51765
OF PROPELLER SHAFTS	
WHITE METAL:	51728
CENTRIFUGAL PROCESS	51728
STERN-TUBE BEARINGS	
WINCHES:	51865
BRATTVAAG HYDRAULIC	50346
ELECTRIC	50609
HOISTING	50346
HYDRAULIC	50345
LOW-PRESSURE HYDRAULIC	50609
LUFFING	
WIND EFFECTS:	50918
ON SEMI-SUBMERSIBLE	
WIND LOADS:	50946
ON SEMI-SUBMERSIBLE MODELS	50769
WIND POWER	51795
WIND PROPULSION:	
WIND-TUNNEL TESTS:	51298
ON OFFSHORE PLATFORMS	
WINDLASSES:	50346
ELECTRIC	50346
HYDRAULIC	50345
LOW-PRESSURE HYDRAULIC	
WIRE ROPES:	50821
BIBLIOGRAPHY	50942
FATIGUE LIFE OF	50936
MOORING LINES	
WORK CONTENT:	51014
ESTIMATION OF	52001
WORK PERFORMANCE ON BOARD SHIP:	
WORKSPACE:	51880
DESIGN CHECKLIST	

Y

YACHT HARBOURS:	51320
DESIGN AND DIMENSIONS	

Z

ZINC CONCENTRATE CARGOES:	51686
ZINC EMBRITTLEMENT:	51732
OF AUSTENITIC STAINLESS STEEL:	

INDEX TO VOLUME 34

1979

AUTHOR INDEX

NOTE-THE REFERENCES ARE TO ABSTRACT NUMBERS

A

[illegible]

ALPAN, I.	51071
ALPERS, R.	50579
ALTMANN, H.	51132
ALVAREZ, E.A.	52011
ALVESTAD, R.	50396
ALZINGER, E.	50133
AMO, B.DEL	51455
AMOS, A.F.	50600
ANDERSEN, C.	51747
ANDERSEN, P.	50649
ANDERSON, A.K.	50903
ANDERSON, J.S.	50728
ANDERSON, N.D.	51249
ANDERSON, T.A.	50057, 51791
ANDERSSON, G.O.	51702
ANDO, A.	51895
ANDRE-TALAMON, T.	51218
ANDREN, T.	51305
ANDREW, R.N.	51934
ANDREWS, B.J.	50738
ANDREWS, B.V.C.	50218, 50247
ANDRZEJEWSKI, J.	49993
ANFALOVA, E.A.	50184
ANGELOV, I.A.	50718, 51897
ANTONIOU, A.C.	51558
AOKI, G.	50830
APELT, C.J.	50043
APPLE, R.E.	51041
APPLEBEE, T.R.	50671, 50673
ARAKERI, V.H.	51938
ARAKI, T.	50410
ARCHER, J.S.	50264
ARIJI, M.	51199
ARIMA, K.	51908
ARITA, K.	50829
ARMAND, J.L.	50072, 51394
ARMSTRONG, F.W.	50508
ARNDT, R.E.A.	49916
ARNTZ, W.	50234
ARRISON, J.	52040
ARTEMENKO, V.M.	50174
ARTYUSHKOV, L.S.	49925
ARUP, H.	50366
ASHTON, R.F.	51417
ASTROM, K.J.	52019,, 52020
ATCHISON, C.	50252
ATKINS, S.O.	50996
ATKINSON, J.	51647
ATKINSON, P.	51553
ATLAS, R.	51989,, 51990
ATTURIO, J.M.	51857
AUCHER, M.	51394
AUDREN, V.	51084
AVERY, W.H.	50761, 50762
AWAZU, N.	51568
AWTREY, P.H.	50528
AZNAR, A.C.	51454

AZOVTSSEV, A.A. 50173

B

BABA, E.	49934
BABAILOV, E.P.	50204
BABAYEV, A.N.	50167
BACHKO, N.	50811
BACKHAUS, H.W.	51286
BACKHOUSE, G.H.	50378
BACKLUND, J.	51906
BADGLEY, R.H.	50512
BAHAM, G.J.	51045, 51330
BAHLMANN, W.	50711, 51258, 51259
BAILEY, N.	50323
BAITIS, A.E.	50673
BAKER, A.J.S.	49988, 50520, 51783
BAKER, H.	51799
BAKER, M.J.	51316, 51490
BAKER, P.D.	50499
BAKER, R.G.	50268
BAKHSHI, V.S.	50668
BAKI, A.	51872, 51878
BALES, N.K.	50293, 50663, 51195, 51947
BALES, S.L.	50746
BALITSKAYA, E.O.	50062
BALL, D.J.	51275
BALL, M.J.	52036
BALLANTINE, N.J.H.	49968
BALSLEY, D.	50341
BAMMERT, K.	50491
BAND, E.G.U.	51169
BANKA, S.	51502
BANTHAM, I.	51387
BARCA, G.-M.B.	49937
BARIC, J.	50171, 50517
BARR, R.A.	51131
BARRACK, J.W.	50585
BARRASS, C.B.	50993
BARRY, T.	50192
BARTELS, B.	49897
BARTENWERFER, M.	50726
BARTON, P.H.	50224
BASAR, N.S.	49906, 50952
BASS, R.L.	51098
BAUDAT, N.P.	51619
BAUGH, I.	50975
BAUMGARTEN, B.	50473
BAUVER, W.P.	50338
BAXTER, K.F.	50367
BAXTER, N.	40046
BAYLEY, G.	50360
BEA, R.G.	50919
BEACH, A.N.	51816
BEACH, J.E.	50069
BEANEY, E.M.	51180
BEARD, R.M.	51856

BEATTIE, D.H.	50568
BECCARIA, A.M.	52005
BECK, D.M.	51815
BECKER, H.	49903
BECKER, H.-M	51960
BEORIK, P.I.	50141
BEEK, G.H.M.	51393
BEGG, R.D.	51497
BEGHIN, D.	51329
BEGLER, W.	51952
BEIER, K.-P.	51523
BELL, M.H.	51077
BELLHOUSE, B.J.	50684
BENGTSON, S.	50361
BENNET, R.	51549
BENNETT, C.P.	51669
BENTZEN, R.	51247
BENYA, YU.YU.	50619
BERDNIKOV, A.N.	50162
BEREZANSKY, O.M.	50091
BERG, J.	51822, 51959, 51991
BERG, L.VAN DEN	50037
BERGER, E.	50421
BERGRING, U.	51664
BERLEKOM, W.B.VAN	51379, 51578
BERMAN, A.	51260
BERNSTEIN, M.	51255
BERRY, G.	50384
BERTA, M.	50417
BERTLIN, D.P.	51321
BERTSCHE, W.R.	51140
BESNIER, F.	50626
BEUMEE, J.G.B.	51057
BEYER, M.	51418
BEYER, R.	50874
BEYER, T.A.	50693
BEYERSTEIN, G.	50041
BEYRODT, M.	49947, 51952
BIANCO, F.A.	49900
BICICCHI, R.T.	50826
BICKERSTAFF, J.	49950
BIDSTRUP, H.	50785
BIERMANN, K.	49943
BILLINGER, J.	49911
BINGHAM, M.H.	50379
BIRBANESCU-BIRAN, A.	51939
BIRCKNER, H.	49948
BIRKEL, R.J.	51129
BIRKS, J.	50958
BIRMINGHAM, J.T.	50820
BIRULYA, E.V.	50156
BISHOP, J.R.	51205
BISHOP, R.E.D.	49921, 51931, 51932
BISPLINGHOFF, R.L.	50317
BISSET, A.	52015
BITTERLI, A.	49956
BJERKLIE, J.W.	50697

AD-A097 637 BRITISH SHIP RESEARCH ASSOCIATION WALLSEND (ENGLAND) --ETC F/0 5/2
JOURNAL OF THE BRITISH SHIP RESEARCH ASSOCIATION. INDEX TO VOLUME--ETC (1)
1979

UNCLASSIFIED

ML

2 of 2

SO
SOURCE

END
DATE
FILMED
5 81
DTIC

BJERREGAARD, E.T.D..	.	.	.	.	.	.	50918
BJURSTROM, P.	.	.	.	.	.	.	52002
BLAKER, B.	.	.	.	.	.	.	50267
BLANCHARD, R.L.	.	.	.	.	.	.	51079
BLAND, R.	.	.	.	.	51136,,	51137,,	51138
BLANDINO, A.	.	.	.	.	.	.	50417
BLAUROCK, J.	.	.	.	.	.	.	50476
BLEVINS, R.W.	.	.	.	.	.	50761,	50762
BLIGHT, G.J.	.	.	.	.	.	50217,	50948
BLOK, J.K.	.	.	.	.	.	.	51718
BLOUNT, D.L.	.	.	.	.	.	.	50804
BLUM, J.	.	.	.	.	.	.	50133
BLUVSHTEIN, I.A.	.	.	.	.	.	.	50159
BOBECK, D.F.	.	.	.	.	.	.	50211
BOBORYKINA, L.YA.	.	.	.	.	.	.	50150
BOBROVA, R.S.	.	.	.	.	.	.	50149
BOFFEY, T.B.	.	.	.	.	.	.	51834
BOGACH, V.G.	.	.	.	.	.	.	50187
BOHLANDER, G.S.	.	.	.	.	.	.	51062
BOHM, F.	.	.	.	.	.	.	51751
BOHME, D.	.	.	.	.	.	.	51604
BOITSOV, G.V.	.	.	.	.	.	.	50465
BOLAND, J.A.	.	.	.	.	.	.	50667
BOLSHAKOV, V.F.	.	.	.	.	.	.	50157
BOLTE, W.	.	.	.	.	.	.	49920
BOOM, W.C.DE	.	.	.	.	.	.	50940
BOOTH, E.T.	.	.	.	.	.	.	51901
BOOTH, T.B.	.	.	.	.	.	.	51937
BORER, K.	.	.	.	.	.	.	51649
BORISOV, R.V.	.	.	.	.	.	.	49926
BORLAND, R.G.	.	.	.	.	.	.	49953
BORNSTEIN, N.S.	.	.	.	.	.	50501,	51981
BORODULIN, M.P.	.	.	.	.	.	.	51451
BOSCH, J.J.VAN DEN	.	.	.	.	.	.	51600
BOSNAK, R.J.	.	.	.	.	.	.	51129
BOSWELL, R.J.	.	.	.	.	.	.	51385
BOWEN, T.L.	.	.	.	.	.	.	51614
BOWES, J.	.	.	.	.	.	.	49967
BOWIE, G.L.	.	.	.	.	.	.	50766
BOWMAN, A.R.	.	.	.	.	.	.	51937
BOYD, W.K.	.	.	.	.	.	.	51382
BOZUNG, H.G.	.	.	.	.	.	.	51958
BOZZO, G.M.	.	.	.	.	.	.	50951
BRADLEY, A.M.	.	.	.	.	.	.	50353
BRADSHAW, C.L.	.	.	.	.	.	.	51973
BRAGARD, A.	.	.	.	.	.	.	51489
BRAITHWAITE, T.	.	.	.	.	.	.	50810
BRANDT, H.	.	.	.	.	.	.	51239
BRANKAMP, K.	.	.	.	.	.	51603,	51209
BRARD, R.	.	.	.	.	.	.	50672
BRATANOW, T.	.	.	.	.	.	.	50469
BRAUER, M.	.	.	.	.	.	.	50909
BRAUN, M.T.	.	.	.	.	.	.	51414
BRAY, R.N.	.	.	.	.	.	.	51336
BRAYTON, W.C.	.	.	.	.	.	.	50487
BREHME, H.	.	.	.	.	.	50472,	50872
BREITENFELD, H.C.	.	.	.	.	.	.	51106

47

C

CALABRESE, S.J.	.	.	.	.	.	.	50924,	51720
CALDWELL, J.B.	.	.	.	.	.	.	51556,	51357
CALI, F.	.	.	.	.	.	.	.	51019
CALKINS, D.E.	.	.	.	.	.	.	.	51352
CALL, F.	.	.	.	.	.	.	.	50858
CALOW, J.R.B.	.	.	.	.	.	.	.	49987

[illegible]

99

[illegible]

DAVIS, N.B.	50855, 51015
DAWSON, J.M.	51314
DAWSON, R.J.C.	50453, 50982
DAY, W.	51590
DE HOFF, R.L.	51237
DEADRICK, F.J.	50753
DECKER, J.L.	50245
DECRESCENTE, M.A.	50501, 51981
DELAIR, J.	51187
DELLA LOGGIA, B.	51234
DEMOTT, R.L.	50409
DEMPSEY, T.K.	50723
DENISOV, V.L.	50151
DENNESS, B.	51311
DENNING, R.A.	51303
DENT, E.J.	50819
DER, C.	50920
DERHAM, F.J.	51444
DERRINGTON, J.	51134
DESOMMA, A.E.	51798
DESTREMP, E.A.	51085
DHARMADHIKARI, S.B.	50140, 50318
DICKENS, W.R.	50716
DICKEY, T.R.	51108
DICKINSON, R.W.	51047
DIESNER, E.	51712
DILLON, D.B.	50407
DIMBYLOW, C.S.	50453
DIMMICK, J.G.	51450
DINGER, H.	49973
DINSENBACHER, A.L.	50820
DIRRIWACHTER, J.W.	51640
DMITRIEV, S.A.	50089
DOBINSKI, H.	51509
DOELLING, N.	50615, 51111
DOHERTY, M.J.	50616
DOHMELL, K.F.	50878
DOI, S.	51694
DOI, Y.	50836
DONALD, K.J.	50763
DONALD, K.M.B.	51667, 51802
DONALDSON, G.B.	50408
DOPATKA, R.	50002
DOREY, A.L.	50803
DORIA, L.	51234
DORLING, D.V.	51494
DOUGHTY, R.	51324
DOUGLAS, K.	51703
DOUGLASS, R.H.	51124
DOVER, W.D.	51483
DOWSON, D.	49988
DOYLE, T.J.	50865, 51431, 51432
DRAZIN, D.H.	51055
DROBLENKOV, V.V.	49998
DRUMMOND, T.G.	49899, 50618
DUAN GEN-BAO	51345
DUGGER, G.L.	50773, 50954

F

[illegible]

FLINT, A.R.	.	.	.	.	.	.	51316,	51490
FLIPSE, J.E.	.	.	.	.	.	.	.	50419
FLISING, A.	.	.	.	.	.	.	.	52009
FLORY, J.F.	.	.	.	.	.	.	.	50923
FOITH, J.P.	.	.	.	.	.	.	.	51953
FOLENTA, D.J.	.	.	.	.	.	.	.	51380
FOLEY, E.W.	.	.	.	.	.	.	.	50663
FONSART, P.	.	.	.	.	.	.	.	51468
FORBES, M.K.	.	.	.	.	.	.	.	51786
FORD, A.G.	.	.	.	.	.	.	50113,	50620
FORGERON, E.J.	.	.	.	.	.	.	.	50189
FORTUNATO, B.	.	.	.	.	.	.	.	51225
FORTUNATO, E.	.	.	.	.	.	.	.	51611
FOSS, B.E.	.	.	.	.	.	.	.	51889
FOSS, I.J.	.	.	.	.	.	.	.	51117
FOSTER, J.J.	.	.	.	.	.	.	.	51591
FOWLER, H.S.	.	.	.	.	.	.	51402,	51403
FOYEN, L.	.	.	.	.	.	.	.	50536
FRAIZE, W.E.	.	.	.	.	.	.	.	50490
FRANCIS, E.J.	.	.	.	.	.	.	50773,	50954
FRANCIS, P.H.	.	.	.	.	.	50827, 50976,	51170,	51171
FRANCIS, R.A.	.	.	.	.	.	.	.	50381
FRANKEL, B.	.	.	.	.	.	.	.	50900
FRANKS, M.L.	.	.	.	.	.	.	.	51011
FRANZ, R.	.	.	.	.	.	.	.	51254
FRANZKE, H.	.	.	.	.	.	.	.	51723
FRAZIER, C.	.	.	.	.	.	.	51617,	51979
FREEMAN, J.C.	.	.	.	.	.	.	.	50943
FREEMAN, P.F.	.	.	.	.	.	.	.	51217
FREITAS, A.	.	.	.	.	.	.	.	51312
FRENCH, N.	.	.	.	.	.	.	.	51993
FRICKE, W.	.	.	.	.	.	.	.	51177
FRIES, O.	.	.	.	.	.	.	.	49896
FRIMAN, K.R.	.	.	.	.	.	.	.	50785
FRISCH, F.A.P.	.	.	.	.	.	.	.	50320
FRONDEVILLE, B.DE	.	.	.	.	.	.	.	51476
FRUMAN, D.H.	.	.	.	.	.	.	.	50307
FRYDENLUND, O.	.	.	.	.	.	.	.	50850
FU, J.W.	.	.	.	.	.	.	.	50826
FUJIMOTO, H.	.	.	.	.	.	.	.	49992
FUJINO, M.	.	.	.	.	.	51919, 50840, 50842,	50891,	51910
FUJITA, H.	.	.	.	.	.	.	49989,	51823
FUJITA, T.	.	.	.	.	.	.	.	51912
FUJIWARA, T.	.	.	.	.	.	.	.	50001
FUKAGAWA, M.	.	.	.	.	.	.	.	51748
FUKASAWA, T.	.	.	.	.	.	.	.	51910
FUKUDA, J.	.	.	.	.	.	.	50989,	51185
FUKUDA, M.	.	.	.	.	.	.	.	50981
FUKUI, K.	.	.	.	.	.	.	.	51267
FUKUI, Y.	.	.	.	.	.	.	.	51782
FUKUMOTO, Y.	.	.	.	.	.	.	.	51894
FUNAKI, T.	.	.	.	.	.	.	50632,	50633
FUNATOGAWA, O.	.	.	.	.	.	.	50831,	51893
FUNGE, W.J.	.	.	.	.	.	50047,	50225,	50226
FURNES, O.	.	.	.	.	.	.	.	51117
FURUTA, K.	.	.	.	.	.	.	.	51166

G

[illegible]

GUHRING, H.	.	.	.	.	.	.	51200,	51603
GUIENNE, P.F.	.	.	.	.	.	.	50239,	51328
GULBINSKI, J.	.	.	.	.	.	.	.	50541
GULBRANDSEN, O.	.	.	.	.	.	.	.	51536
GULICK, R.W.	.	.	.	.	.	.	.	50924
GUNDOBIN, A.A.	.	.	.	.	.	.	.	51412
GUNTHER, H.-J.	.	.	.	.	.	.	.	51418
GUSEV, V.	.	.	.	.	.	.	.	50431
GUSHKOV, M.G.	.	.	.	.	.	.	49998,	50176,
GYLES, J.L.	.	.	.	.	.	.	.	51090

3

[illegible]

HARRISON, J.H.	.	.	.	.	.	.	. .
HARTMANN, J.	.	.	.	.	.	.	. 50865
HARIT, W.H.	.	.	.	.	.	.	. 51178
HARVEY, P.	.	.	.	.	.	.	. 51061
HASEGAWA, H.	.	.	.	.	.	.	. 51930
HASHIMOTO, K.	.	.	.	.	.	. 49977,	. 50985 . 50891
HASHIMOTO, T.	.	.	.	.	.	.	. 50529
HASSAN, N.	.	.	.	.	.	.	. 51653
HASSELBACHER, F.	.	.	.	.	.	.	. 50550
HATFIELD, M.R.	.	.	.	.	.	.	. 52000
HATFIELD, P.S.	.	.	.	.	.	.	. 51426
HATHWAY, C.W.	.	.	.	.	.	.	. 51043
HATLESTAD, B.	.	.	.	.	.	.	. 51498
HAUG, A.F.	.	.	.	.	.	.	. 51535
HAUSSLING, H.J.	.	.	.	.	.	.	. 50105
HAVENS, J.A.	.	.	.	.	.	.	. 50744
HAVER, S.	.	.	.	.	.	.	. 51119
HAVIK, K.P.	.	.	.	.	.	.	. 50044
HAVRE, J.VAN	.	.	.	.	.	.	. 52017
HAWDON, L.	.	.	.	.	.	.	. 51963
HAWKINS, N.M.	.	.	.	.	.	. 50282,	. 50283
HAWKINS, S.	.	.	.	.	.	.	. 50060
HAWLEY, A.V.	.	.	.	.	.	.	. 50071
HAYASHI, S.	.	.	.	.	.	.	. 50596
HAYEN, C.L.	.	.	.	.	.	.	. 50250
HAYES, D. J.	.	.	.	.	.	.	. 51307
HAYNES, H.H.	.	.	.	.	.	. 50637,	. 50983
HAYNES, L.H.	.	.	.	.	.	.	. 50277
HAYNES, M.	.	.	.	.	.	.	. 51106
HAYWARD, S.	.	.	.	.	.	.	. 51713
HAZELL, M.D.	.	.	.	.	.	.	. 52037
HE WU-ZHOU	.	.	.	.	.	.	. 51717
HEATHER, R.G.	.	.	.	.	.	.	. 50882
HEATON, R.	.	.	.	.	.	.	. 52030
HECKER, C.E.	.	.	.	.	.	.	. 50112
HECKER, R.	.	.	.	.	.	.	. 50101
HEDLEY, C.	.	.	.	.	.	.	. 51294
HEELERMA, P.S.	.	.	.	.	.	. 50588,	. 50594
HEIKKILA, V.	.	.	.	.	.	.	. 50795
HEILWEIL, J.	.	.	.	.	.	.	. 51106
HEINZE, K.P.	.	.	.	.	.	.	. 50856
HEITZ, E.	.	.	.	.	.	.	. 50562
HENDERSON, G.	.	.	.	.	.	.	. 50763
HENMI, S.	.	.	.	.	.	.	. 50333
HENNIG, E.	.	.	.	.	.	.	. 50398
HENSEHEL, G.	.	.	.	.	.	.	. 50234
HENSEL, W.	.	.	.	.	.	.	. 51960
HENSHALL, S.H.	.	.	.	.	.	.	. 51033
HERBERT, R.N.	.	.	.	.	.	.	. 50897
HERBICH, J.B.	.	.	.	.	.	. 50419,	. 50927
HERNDON, J.	.	.	.	.	.	.	. 50765
HEROLD, D.	.	.	.	.	.	.	. 49884
HERONEMUS, W.E.	.	.	.	.	.	.	. 50769
HERRMANN, R.	.	.	.	.	.	. 50907,	. 51882
HESS, F.	.	.	.	.	.	.	. 51348
HEWITT, M.R.	.	.	.	.	.	.	. 51637
HIBBERD, R.D.	.	.	.	.	.	.	. 51483

HICKMAN, W.W.	51631
HIEJEMA, K.	50529
HIERSIG, H.M.	50807
HIGDON, D.T.	50111
HIGHTOWER, J.D.	50191
HIGUCHI, M.	50832, 51916
HILDEBRAND, H.	52004
HILDREW, B.	50521
HILL, B.	52015
HILL, E.C.	51779
HILL, J.A.	50470
HILLS, W.	51529
HILTON, R.J.	50590
HIMENO, Y.	51378
HIRABAYASHI, K.	51770
HIRAMOTO, F.	51205
HIRANO, S.	51762
HIRATA, T.	50333
HIRZEL, W.	51479
HISCOCK, R.	50017
HOA-XUAN, T.	50339
HOBGIN, W.	50687
HODGKIN, A.F.	49959, 51968
HOEK, M.C.VAN DER	50807
HOEKSTRA, M.	51572, 51366
HOFFMAN, D.	50406, 50922, 51100, 52018
HOFFMAN, D.J.	51804, 51805
HOFFMANN, P.H.	51586
HOGG, W.A.G.	50442
HOGSTROM, H.	51655
HOLAND, I.	50260
HOLBROOK, R.P.	51800
HOLBROOK, S.J.	51483
HOLDEN, K.O.	51264
HOLLRIGL, A.	52010
HOLMAN, R.	52039
HOLMES, P.	51296
HOLMES, R.	50342, 51623
HOLT, J.S.	51781
HOLTROP, J.	49917
HOMANN, H.-W.	51209, 51603
HONG, Y.S.	50941
HONKANEN, M.	51391
HOOFT, J.P.	50906
HOOPER, W.C.	51061
HOOREN, C.M.VAN	51531, 51532
HOPKINS, G.	51853
HOPTA, G.	50235
HORI, Y.	51265, 51752
HORLITZ, C.F.	51428
HORN, D.	51281
HORSFIELD, A.M.	50321
HORTON, T.L.O.	50513, 50692, 51630
HOSHINO, J.	49989
HOSHINO, S.	51424
HOWELL, J.	50621
HSU, H.M.	50932

JAIN, V.K.	51589,	51594
JAKUBOWSKI, M.	.	51344
JAMES, O.R.	.	51619
JAMES, R.W.	.	51814
JAMIESON, W.W.	.	50314
JAMIN, G.	.	50154
JAMIN, P.	.	50194
JANECEK, R.A.	.	51676
JANECKE, H.W.	.	50784
JANNERUP, O.	.	51210
JANSKY, C. C.	50271,	51317
JARMUSZ, M.	.	51502
JASKE, C.E.	.	51382
JASUJA, A.K.	.	50502
JEDRZEJOWICZ, P.	.	50533
JEFFERIS, T.	.	50516
JEFFREY, D.C.	.	50768
JELLARD, P.	.	50038
JENKINS, D.	.	51590
JENKINS, J.F.	.	52007
JENNY, W.	.	51313
JENS, J.L.E.	.	50025
JENSEN, F.	.	50365
JENSEN, J.J.	.	51936
JESSE, A.	.	51507
JESSOP, T.J.	.	51341
JESSUP, S.D.	.	51385
JESZKE, T.	.	51480
JIANG QIAN-WEI	.	51335
JOANKNECHT, L.W.F.	.	51306
JOHANSEN, K.R.	.	51890
JOHNSEN, J.J.	.	51106
JOHNSON, F.R.	.	50947
JOHNSON, H.B.	.	50440
JOHNSON, P.F.	.	51056
JONES, A.J.	.	50384
JONES, B.A.	.	51971
JONES, D.	.	51856
JONES, E.	.	51088
JONES, H.D.	50662, 50664,	51596
JONES, K.D.	.	51106
JONES, M.V.	.	51965
JONES, N.	.	50625
JONES, R.L.	.	50044
JONES, R.R.	.	50070
JONES, S.B.	50322,	50325
JORDAN, C.R.	.	49905
JORDAN, D.	.	49902
JOST, V.	.	51961
JOUBERT, P.N.	51586,	51376
JOURDAIN, M.	.	51394
JOURDAN, J.	.	51087
JUBB, J.E.M.	.	50486
JUNG, D.J.	.	50509
JURAN, D.I.	.	50047

K

KAHR, C.H.	.	.	.	.	.	.	.	.	50295		
KAIHO, T.	.	.	.	.	.	.	.	.	50297		
KAKUGAWA, A.	.	.	.	.	.	.	.	.	50116		
KALAFUS, R.	.	.	.	.	.	51136,,	51137,,	.	51138		
KALDENBACH, W.P.	.	.	.	.	.	.	50614,	.	50945		
KALELKAR, A.S.	.	.	.	.	.	.	.	.	50021		
KALLIO, J.A.	.	.	.	.	.	.	50110,	.	51595		
KALLSTROM, C.G.	.	.	.	.	.	.	52019,,	.	52020		
KAMEI, S.	.	.	.	.	.	.	.	.	50080		
KAMIL, H.	.	.	.	.	.	.	.	.	50915		
KAMTEKAR, A. G.	.	.	.	.	.	.	.	.	51176		
KANE, A.I.	.	.	.	.	.	.	50086,	.	50087		
KANEHIRO, K.	.	.	.	.	.	.	.	.	51288		
KANETSUNA, M.	.	.	.	.	.	.	.	.	50223		
KAPLAN, P.	.	.	.	.	.	49914,	50114,	.	52026		
KAPUSTA, S.	.	.	.	.	.	.	.	.	50714		
KARAFIATH, G.	.	.	.	.	.	.	.	.	50658		
KARCHNAK, M.F.	.	.	.	.	.	.	.	.	50250		
KARLSSON, R.I.	.	.	.	.	.	.	.	.	51373		
KARMANOVSKY, V.V.	.	.	.	.	.	.	.	.	50180		
KASAI, H.	.	.	.	.	.	.	.	.	51349		
KASTNER, S.	.	.	.	.	.	.	50027,	.	50806		
KATOH, M.	.	.	.	.	.	.	.	.	51302		
KATZ, G.	.	.	.	.	.	.	.	.	51978		
KATZ, Y.	.	.	.	.	.	.	.	.	50510		
KAUBE, K.	.	.	.	.	.	.	.	.	50015		
KAUPS, K.	.	.	.	.	.	.	.	.	51583		
KAUTZ, K.W.	.	.	.	.	.	.	.	.	51589		
KAVLIE, D.	.	.	.	.	.	.	51544,	.	51498		
KAWAHARA, M.	.	.	.	.	.	.	.	.	50832		
KAWAI, T.	.	.	.	.	.	.	.	.	51267		
KAWAKAMI, M.	.	.	.	.	.	.	.	.	51184		
KAWASAKI, Y.	.	.	.	.	.	.	.	.	50532		
KAWAZU, T.	.	.	.	.	.	.	.	.	50334		
KAZACHUK, I.V.	.	.	.	.	.	.	.	.	50088		
KEANE, R.G.	.	.	.	.	.	.	50299,	.	50879		
KEAY, L.K.	.	.	.	.	.	.	.	.	49909		
KEELING, M.R.	.	.	.	.	.	.	.	.	51776		
KEITH, V.	.	.	.	.	.	.	.	.	51680		
KEITH, V.F.	.	.	.	.	.	.	51678,	.	51449		
KELL, K.F.	.	.	.	.	.	.	.	.	50388		
KELLER, R.	.	.	.	.	.	.	.	.	50039		
KELLEY, J.R.	.	.	.	.	.	.	.	.	50676		
KELLY, P.J.	.	.	.	.	.	.	51021,	.	51023		
KELLY, R.E.	.	.	.	.	.	.	.	.	51056		
KELMAN, J.H.	.	.	.	.	.	.	.	.	51637		
KEMP, J.F.	.	.	.	.	.	.	.	.	50031		
KENNEDY, J.F.	.	.	.	.	.	.	.	.	50346		
KENNELL, C.G.	.	.	.	.	.	.	50057,	.	51791		
KENNY, F.M.	.	.	.	.	.	.	.	.	50589		
KERN, E.	.	.	.	.	.	.	.	.	51281		
KERN, P.H.	.	.	.	.	.	.	50242,	.	50443		
KERNS, W.	.	.	.	.	.	.	.	.	51632		
KERR, G.D.	.	.	.	.	.	.	.	.	50057		
KERWIN, J.E.	.	.	.	.	.	.	50305,	.	50850		
KEYNON, G.	.	.	.	.	.	51072,,	51073,,	51074,	51641,	51642,	51643

KHODORKOVSKY, L.M.	50150
KHORDAS, G.S.	50198
KHOUSHY, D.	51191
KHROLENKO, L.P.	50144
KIDA, T.	50310
KISSLING, J.-U.	51808
KIHARA, T.	50480
KIKUTANI, H.	51475
KILTAU, D.K.	50044
KIME, J.W.	51108
KIMPARA, I.	50831, 51893
KIMURA, Y.	51198
KING, A.	50007
KING, G.W.	51399
KING, J.	50060, 51511
KING, S.	51827
KING, W.	51182
KINGSLAKE, G.	50816
KINKAID, G.	51020
KINNEY, C.	50490
KINUGAWA, M.	51760
KIREYEV, YU.N.	50181, 50702
KIRITA, A.	51919
KIRTLEY, J.L.	50866
KISELEV, P.F.	50141
KISSING, W.	51723, 51950
KITAGAWA, H.	50116
KITAMURA, K.	50074, 50075
KITAZAWA, M.	50022
KITAZAWA, T.	50646
KJELDSSEN, S.P.	51410, 52035
KLATTE, J.	51806
KLEM, P.G.	51887
KLIMCHITSKY, YU.D.	50182
KLINE, R.G.	50824
KLOOS, K-H.	51904
KNIERIM, T.G.	51106
KNIGHT, B.K.	51771
KNOLL, W.	49943
KNOPF, H.-H.	51723
KNYAZEV, V.N.	50137
KOBAYASHI, T.	51924
KOBUS, L.C.S.	50938
KOCH, I.	51326
KOCHHAR, A.K.	50136
KOELBEL, J.G.	51190
KOLAROV, T.	50132
KOLEV, P.	50464
KOMMERS, W.J.	50639
KOMODA, T.	51422
KONIGSBERG, D.M.	51101
KONKOL, P.J.	50096, 50485
KONUMA, M.	51174
KOOIJ, J. VAN DER	51364
KOONS, G.F.	50485
KOPUSHKINA, L.G.	50161, 50163
KORKOSH, S.V.	50178

2

LAHAYE, P.G.	.	.	.	.	.	.	.	50697
LAI, N.W.	.	.	.	.	.	.	.	50919
LAKEY, R.J.	.	.	.	.	.	.	.	51108
LALLI, D.	.	.	.	.	.	.	.	51315
LAMB, R.S.	.	.	.	.	.	.	.	51496

115

LAMBERT, R.C.	50399
LAMPERT, D.	51224
LANCASTER, J.C.	50622
LANCASTER, J.H.	51676
LANDAHL, M.	51365
LANDELLS, I.	50170
LANDWEBER, L.	50103
LANG, T.	50056
LANG, W.	51509
LANGE, E.A.	51671
LANGENBERG, H.	51702
LANGHEIN, S.	50349
LANKFORD, J.	50976
LAREDO, A.	51329
LARKIN, J.E.	51459
LARSEN, C.M.	50583
LARSEN, G.A.	51743, 51966
LARSEN, P.	50029, 51886
LARSSON, L.	51231
LATORRE, R.	51796
LAUGHTON, A.S.	50958
LAURIAT, T.B.	51616
LAVI, A.	50771, 50956
LAW, P.E.	50704, 51670
LAWRENCE, H.G.	50782
LAWSON, C.E.	50797
LAYNE, D.E.	51004
LAZAREV, V.N.	50093, 50094
LAZAREVA, L.V.	50094
LAZAREVSKY, N.A.	50173
LAZET, A.	51095, 51881
LE MEHAUTE, B.	50597
LEAN, G.H.	51942
LEATHARD, F.I.	51963
LEATHERWOOD, J.D.	50723
LEBEAU, R.P.	50966
LEBLANC, L.	50405
LEBLANC, L.R.	50926
LECOURT, E.J.	50847
LECUONA, E.	49935
LEDOYEN, M.J.	51786
LEE, C.M.	50665, 50851, 50997, 51397
LEE, C.S.	50305, 50656
LEE, V.	51027
LEE, Y.-J.	50073
LEE, Y.T.	51368
LEEPER, J.	50737
LEFOL, J.	51082
LEHE, P.	49911
LEHMANN, E.	50814
LENK, H.	51506
LENN, YU.F.	50083
LEONE, D.J.	51066
LEONHARDT, F.	50278
LESCHINSKY, D.	51071
LESSENICH, J.	50805
LETOURNEUR, J.C.	50020

LEUMER, G.H.	50119
LEVENS, M.B.	50457
LEVI, E.J.	51792
LEVINE, Z.	51047
LEWERENTZ, L.	51724
LEWIS, A.B.	52008
LEWIS, C.H.	50470
LEWKOWICZ, A.K.	51374, 51375
LIANG WEN-JUAN	51345
LIBBY, D.O.	50317
LIGHTHILL, J.	51721
LIMPERT, G.J.	50700
LIN, A.C.	50097
LIN, J.D.	51007
LIN, T.Y.	50276
LINCOLN, A.P.	51829
LINDAK, J.E.	51954
LINDEMANN, K.	50466, 51473, 51474
LINDHARDT, P.	51747
LINFOOT, B.T.	51128
LING, F.F.	51720
LINNERT, M.	51926
LIU, M.	50215
LIPOW, M.	51208
LISNYK, J.	50903
LISTEWNIK, J.	50541
LITTLE, W.J.G.	51486
LIU, C.Y.	51353
LIU HOE-YUAN	51202
LIU YING-ZHANG	51406
LIU ZHONG-JIE	51335
LIVESAY, B.J.	50409
LOYD, A.R.J.M.	51396, 50677
LOCKE, N.J.	51094
LOCKHART, R.G.	52012
LOCKMAN, N.	51423
LOESER, C.	50800
LOGAN, J.C.	51105
LOGAN, K.P.	51140
LOGINOVA, N.M.	50149
LOKEN, A.E.	51941
LONDON, A.V.	50387
LONG, G.	50199, 50722
LOOSEMORE, G.R.	51114
LOPEZ, A.S.	52000
LORIMER, R.T.	51661
LOSHAKOVA, N.I.	50085
LOUIS, J.F.	50494
LOWRY, R.	51951
LUCKE, M.	51506
LUDBROOK, L.J.	51445
LUEDKE, G.	50193
LUGOVSKY, V.V.	50129
LUHRS, G.	50710
LUKAS, M.	50505
LUNDBLAD, W.	51930
LUSTGARTEN, G.	49972

117

M

[illegible]

MEADE, G.	.	.	.	.	.	.	.	.	51075
MEGGITT, D.J.	.	.	.	.	.	.	.	.	50407
MEHMEL, M.	.	.	.	.	.	.	.	.	50650
MELLEC, R. LE	.	.	.	.	.	.	.	.	50538
MENCHEV, N.D.	.	.	.	.	.	.	.	.	50817
MENNEN, G.G.J.	.	.	.	.	.	.	.	.	49917
MERCHANT, H.C.	.	.	.	.	.	.	.	.	50478
MERGLER, H.W.	.	.	.	.	.	.	51017,	.	51018
MERRITT, J.H.	.	.	.	.	.	.	.	.	50013
METCALF, M.F.	.	.	.	.	.	.	51120,	.	51130
METZNER, H.E.	.	.	.	.	.	.	.	.	50709
MEUNIER, J.	.	.	.	.	.	.	.	.	50934
MEURS, K.	.	.	.	.	.	.	.	.	50468
MEYER, J.	.	.	.	.	.	.	.	.	50060
MEYER, R.X.	.	.	.	.	.	.	.	.	50296
MEYERHOFF, W.K.	.	.	.	.	.	.	.	.	50475
MEYERS, W.G.	.	.	.	.	.	.	.	.	50673
MEYNE, K.	.	.	.	.	.	.	.	.	50872
MICHAEL, R.	.	.	.	.	.	.	.	.	50433
MICHALAK, J.	.	.	.	.	.	.	.	.	50648
MICHELSSEN, F.C.	.	.	.	.	.	.	.	.	50588
MIDDLETON, A.H.	.	.	.	.	.	.	.	.	50564
MIDDLETON, F.H.	.	.	.	.	.	.	.	.	50926
MIDDLETON, J.L.	.	.	.	.	.	.	.	.	51079
MIGALA, J.	.	.	.	.	.	.	.	.	50051
MIHALEK, E.W.	.	.	.	.	.	.	.	.	51617
MII, T.	.	.	.	.	.	.	.	.	50449
MIKASINOVIC, M.	.	.	.	.	.	.	.	.	51446
MIKHAILOV, V.S.	.	.	.	.	.	.	50139,	.	51415
MIKULICIC, N.	.	.	.	.	.	.	.	.	49979
MILGRAM, J. H.	.	.	.	.	.	.	.	.	51289
MILKOV, V.	.	.	.	.	.	.	.	.	50527
MILLEN, W.	.	.	.	.	.	.	.	.	49941
MILLER, B.L.	.	.	.	.	.	.	49923,	50680,	50681
MILLER, E.R.	.	.	.	.	.	.	.	.	51008
MILLER, G.	.	.	.	.	.	.	.	.	51238
MILLER, M.	.	.	.	.	.	.	.	.	51819
MILLER, N.S.	.	.	.	.	.	.	49922,	50946,	51290,
MILLER, R.R.	.	.	.	.	.	.	.	51002,	51003
MILLER, R.T.	.	.	.	.	.	.	.	.	51048
MILLWARD, A.	.	.	.	.	.	.	50306,	50991,	51599,
MILWEE, W.I.	.	.	.	.	.	.	.	.	51351
MIN, K.-S.	.	.	.	.	.	.	.	.	51891
MINAMI, M.	.	.	.	.	.	.	50201,	50221,	51000
MINEHISA, S.	.	.	.	.	.	.	.	.	50892
MINGES, S.B.	.	.	.	.	.	.	.	.	50222
MINNER, W.F.	.	.	.	.	.	.	.	.	50189
MINORSKY, V.U.	.	.	.	.	.	.	.	.	50955
MIROKHIN, B.V.	.	.	.	.	.	.	50749,	.	50751
MISHIMA, T.	.	.	.	.	.	.	.	.	49926
MITCHELL, G.C.	.	.	.	.	.	.	.	.	51386
MITCHELL, P.R.	.	.	.	.	.	.	.	.	50446
MITCHELL, W.J.	.	.	.	.	.	.	.	.	51086
MIYAI, Y.	.	.	.	.	.	.	.	.	50834
MIYAKE, M.	.	.	.	.	.	.	.	.	50310
MIYAMOTO, T.	.	.	.	.	.	.	.	.	49976
MIYATA, H.	.	.	.	.	.	.	50837,	.	51914

MIYAZAWA, M.	51915
MIZUHARA, S.	51753
MIZUSHIMA, K.	51757
MIZUUCHI, M.	51765
MOAN, T.	50269, 51119
MOEBUS, H.	50524
MOGRIDGE, G.R.	50314
MOHLE, K.-G.	50860
MOKUDAI, N.	50148
MOLE, C.J.	50867
MOLLAND, B.	50755
MOLLER, J.	50366, 50689
MOLNAR, D.G.	50415
MOLNAR, J.	50701
MONTEMARANO, J.A.	51256
MOORE, R.	51026
MOR, E.D.	52005
MORAND, H.J.P.	50266
MOREL, P.	50005
MORETON, B.B.	50461
MORGAN, J.D.	50855, 51015
MORI, K.	50836
MORI, M.	50076, 51920
MORI, T.	51065
MORIKAWA, H.	51300
MORIKIYO, Y.	52027
MORIMOTO, M.	50335
MORISSEAU, K.C.	50251
MORRIS, A.J.	50118
MORROW, T.B.	51098
MOSES, F.	50914
MOSIMANN, J.	51066
MOSKEN, K.	49948
MOSZCZYNSKA, Z.	51433
MOTA, J.M.F.	50486
MOTORA, S.	50842, 50891
MOTTER, L.E.	50671
MOUSA, E.A.	50638
MOWAT, K.	51270
MRUGOWSKY, H.	50875, 51998
MUDGE, P.J.	51341
MUELLENGRACHT, P.V.	51977
MUGRIDGE, B.D.	51261
MUHLEN, E.VON	51892
MUIR, R.S.	50006
MUIR, W.F.	50784
MUKHOPADHYAY, M.	51338
MULLER, E.	50473
MULLER, J.	50274
MULLER, R.	51785
MULLER-GRAFF, B.	51360, 51361
MUNN, P.W.	50379
MUNOZ, D.A.	50414
MUNTJEWERF, J.J.	51577
MURAO, Y.	50599
MURATA, R.	50001
MURAYAMA, K.	50529

121

MURER, C.	.	.	.	.	.	.	.	51905
MUROTSU, Y.	.	.	.	.	.	.	.	52024
MURRAY, L.O.	.	.	.	.	.	.	.	50097
MUSKER, A.J.	.	.	.	.	.	.	51374,	51375
MUYSKEN, M.	.	.	.	.	.	.	.	51039
MYATT, D.G.T.	.	.	.	.	.	.	.	51668
MYERS, A.	.	.	.	.	.	.	.	50422
MYRHAUG, D.	.	.	.	.	.	.	.	51410

N

[illegible]

P

PACK, C.R.	.	.	.	.	.	.	.	50500
PACK, H.	.	.	.	.	.	.	.	50886
PACKARD, S.D.	.	.	.	.	.	.	.	50707
PAETZOLD, H.	.	.	.	.	.	.	.	50822
PAGE, G.L.	.	.	.	.	.	.	.	50637
PAGE, K.G.	.	.	.	.	.	.	.	50500
PAHL, E.	.	.	.	.	.	.	50235,	50426
PALLARD, M.	.	.	.	.	.	.	.	50934
PALMA, S.	.	.	.	.	.	.	.	49999
PAMA, R.P.	.	.	.	.	.	.	50973,,	50974
PANNKOEKE, T.	.	.	.	.	.	.	.	50348
PANOV, V.A.	.	.	.	.	.	.	50182,	50185
PANOV, V.N.	.	.	.	.	.	.	.	50182
PANZER, M.	.	.	.	.	.	.	.	51808
PAPAZOGLU, V.J.	.	.	.	.	.	.	.	50823
PAPENFUSS, H.	.	.	.	.	.	.	.	50651

PARAMORE, B.	51680,	51681
PARKS, P.C.	.	51132
PARO, D.	51822,	51959,
PARSONS, B.	.	51781
PARSONS, M.G.	51054,	51907
PARUZZOLO, A.	.	50951
PASS, A.E.	.	50198
PASUMANSKY, E.M.	.	50156
PATARINI, V.	.	50501
PATEL, V.C.	.	51368
PATON, D.S.	.	51011
PAULLING, J.R.	50273,	50941,
PAVLOVSKY, V.A.	.	50180
PAYER, H.G.	49904,	50815
PAYMANS, P.J.	50030,	50906
PAYNE, P.R.	.	51922
PAYNE, R.D.	.	50227
PEAL, K.R.	.	50353
PEAPELL, P.N.	.	51114
PEARCE, R.D.	.	51467
PECK, J.G.	.	50676
PEDERSEN, P.T.	.	51936
PEEBLES, M.W.H.	.	50364
PENNICK, H.G.	.	51243
PENTIMONTI, E.K.	.	51458
PERLA, M.	.	51181
PERRY, R.M.	.	50428
PERSKI, J.	50051,	50066
PETCHEL, C.T.	.	50932
PETERSEN, K.	.	51313
PETERSHAGEN, H.	50812,	51559,
PETERSON, R.S.	.	51705
PETKOV, D.	.	50168
PETRIE, G.L.	.	50481
PETRISHCHEV, K.F.	.	52018
PHELPS, M.A.	.	51412
PHILIPP, O.	.	51094
PHILLIPS, B.D.A.	.	50654
PHILLIPS, S.W.	51725,,	51291
PHILPOT, M.G.	.	51726
PIASECKI, F.	.	50508
PIATTELLI, H.	.	50813
PIEROTH, G.	.	52023
PIGEYNE, J.	.	50059
PINAZZI, F.	.	51087
PINKSTER, J.A.	.	50971
PINKUS, O.	.	50916
PIRTZ, D.	.	51812
PITT, C.T.	.	50930
PITTALUGA, A.	.	52016
PIZZINO, J.F.	.	51704
PLACKETT, M.J.	.	51478
PLATTS, M. J.	.	50061
PLUNT, J.	.	51297
PODVOLOTSKY, N.M.	.	51068
POHLE, C.G.	.	50209
POLLACK, M.	.	51056
	.	51106

[illegible]

9

QUINIOU, C.	.	.	.	.	.	.	.	50535
QUIRMBACH, C.	.	.	.	.	.	.	.	50193

R

RABAL, H. J.	.	.	.	.	.	.	.	51211
RACTLIFFE, A.T.	.	.	.	.	.	.	.	51561
RADHAKRISHNAN, V.M.	.	.	.	.	.	.	.	50988
RADIUS, N.	.	.	.	.	.	.	.	49986
RADKE, L.	.	.	.	.	.	.	.	51979
RAIKOV, G.S.	.	.	.	.	.	.	.	50551
RAINS, D.A.	.	.	.	.	.	.	.	51432
RAJ, P.P.K.	.	.	.	.	.	.	.	50021
RAKHOVETSKIY, A.	.	.	.	.	.	.	.	50067
RANDALL, S. E.	.	.	.	.	.	.	.	51266
RANKEN, M.B.	.	.	.	.	.	.	.	50881
RAO, S. S.	.	.	.	.	.	.	.	51236
RASCIO, V.J.D.	.	.	.	.	.	.	50197,	51452
RASTORGUYEV, V.V.	.	.	.	.	.	.	.	51334
RAY, B.	.	.	.	.	.	.	.	50227
REBELLON, A.A.O.DE	.	.	.	.	.	.	.	49901

ROWEN, W.I.	50495
ROY, F.E.	50920
ROZADOS, E.	51453
RUDE, H.P.	49924
RUHLAND, B.	51173
RUIZ, C.	50638
RUMORE, F.C.	50866
RUSH, A.A.	50721
RUSHFORD, R.	51213
RUSKIN, R.E.	51617
RUSSELL, B.J.	50313
RUSSELL, R.J.	50506
RUTHERFORD, T.	50894
RUTTER, T.A.	50011

S

SA FREITAS, E.DE	49913, 50463
SADAKANE, H.	51918
SADDEN, J.A.	50629
SAEKI, T.	50838
SAGAWA, R.	51423
SAIDA, K.	49898
SAITOH, T.	51765
SAKABATA, N.	50222
SAKATA, T.	51174
SALAZAR, S.O.	50034
SALDERN, D.VON	51460
SALKAEV, A.Z.	50316
SALLET, D.W.	51277
SALMON, D.R.	51090
SALTER, S.H.	50768
SALUJA, S.N.	51814
SAMMIS, G.G.	50153
SAMSONOV, YU.A.	50270
SAMUELS, L.E.	50488
SANDELL, D.A.	51372
SANI, G.	50971
SANTARELLI, M.F.C.	50244
SARAVANAMUTTOO, H.I.H.	51609
SARGENT, T.P.	49914, 52026
SARNO, D.A.	51337
SARTORI, G.	50300
SARUKHANOV, YU.G.	50063
SASAJIMA, T.	51388
SASANO, R.	50690
SATO, G.T.	49992
SAUGERUD, O.T.	49990
SAUNDERS, P.	50439
SAUZAY, R.	51601
SAVAGE, R.J.	50893
SAVAGE, W.F.	50454
SAVILLE, R.W.	51116
SAVIN, R.B.	50329
SAVITSKY, D.	51190
SAWAI, H.	51823
SAWCHUK, W.	50444

SEIPLE, R.L.	.	.	.	.	.	.	.	50191
SEMENENOK, A.F.	.	.	.	.	.	.	.	50876
SEMPLE, T.W.	.	.	.	.	.	.	.	51043
SEN, P.	.	.	.	.	.	.	.	50437
SEO, T.	.	.	.	.	.	.	.	51377
SERKSNIS, A.W.	.	.	.	.	.	.	.	51628
SEVASTAKIEV, V.	.	.	.	.	.	.	.	50527
SHANKS, F.E.	.	.	.	.	.	.	.	51860
SHANMUGAM, N.E.	.	.	.	.	.	.	.	50635
SHAO SHI-MING	.	.	.	.	.	.	.	51408
SHAO WEN-JIAO	.	.	.	.	.	.	.	51345
SHAPOSHNIKOV, D.	.	.	.	.	.	.	.	50431
SHARMA, S.D.	.	.	.	.	.	.	.	50032
SHARP, B.N.	.	.	.	.	.	.	.	50686
SHEBALOV, A.M.	.	.	.	.	.	.	.	50091
SHEETS, H.E.	.	.	.	.	.	50863, 51101,	51122	
SHEN, Y.T.	.	.	.	.	.	50109, 50995,	51354	
SHEN YI-DE	.	.	.	.	.	.	51716	
SHENG CHEN-PANG	.	.	.	.	.	.	51203	
SHEPHARD, C.V.H.	.	.	.	.	.	.	50000	
SHEPHERD, B.P.	.	.	.	.	.	.	50713	
SHERBURNE, A.E.	.	.	.	.	.	.	51079	
SHERRARD, J.R.	.	.	.	.	.	.	50923	
SHERWOOD, W.G.	.	.	.	.	.	.	51510	
SHIBUE, T.	.	.	.	.	.	.	50075	
SHIELDS, C.E.	.	.	.	.	.	50099,	51591	
SHIFFMAN, N.	.	.	.	.	.	.	51404	
SHILIKHIN, A.A.	.	.	.	.	.	.	50175	
SHIMADA, H.	.	.	.	.	.	.	50929	
SHIMIZU, K.	.	.	.	.	.	.	51750	
SHIMIZU, S.	.	.	.	.	.	.	50828	
SHINADA, K.	.	.	.	.	.	.	51308	
SHINKAI, A.	.	.	.	.	.	.	50989	
SHOALS, P.G.	.	.	.	.	.	.	50970	
SHRIMPTON, T.E.	.	.	.	.	.	.	50732	
SHU, H.H.	.	.	.	.	.	.	51024	
SHU, H.-T.	.	.	.	.	.	50492, 50692,	51613	
SHUDO, H.	.	.	.	.	.	.	51232	
SIEDSCHLAG, H.-J.	.	.	.	.	.	.	50343	
SIEGEL, B.	.	.	.	.	.	50708,	51974	
SILBERT, M.N.	.	.	.	.	.	49914,	52026	
SILVA DIAS FILHO, G.L.DA	.	.	.	.	.	.	49913	
SILVERIA, W.A.	.	.	.	.	.	.	50937	
SILVIA, P.A.	.	.	.	.	.	.	50448	
SIMATUPANG, M.	.	.	.	.	.	.	51299	
SIMMONS, J.E.L.	.	.	.	.	.	.	51227	
SIMON, P.	.	.	.	.	.	.	51489	
SIMS, A.V.	.	.	.	.	.	.	50757	
SINCLAIR, L.	.	.	.	.	.	.	51767	
SINGER, J.	.	.	.	.	.	.	50715	
SINNARWALLA, A.M.	.	.	.	.	.	50311,	51711	
SITCHENKO, L.S.	.	.	.	.	.	49998, 50176,	50179	
SKAAR, K.T.	.	.	.	.	.	.	51555	
SKIRTSEV, TS.	.	.	.	.	.	.	50481	
SKOWBO, H.	.	.	.	.	.	.	51123	
SKRAMSTAD, E.	.	.	.	.	.	.	50536	
SKRIWANЕК, A.	.	.	.	.	.	.	49943	

STECZEK, M.	51230
STEEN, A.	50409
STEFENSON, J.	52009
STEIDLINGER, H.	51326
STEIGER, H.A.	51746
STEIN, N.I.	50796
STEINHAUSER, R.	51507
STEINSVIK, B.	51499
STEN, L.	52019
STENHOUSE, G.A.	50590
STENSTROM, B.	50908
STEPHENS, H.M.	50393
STERN, I.L.	50935
STERNBERGER, W.I.	50926
STETSON, A.R.	51987
STEVENS, M.J.	50882
STEVENS, W.L.	51951
STEWART, A.J.	51431
STEWART, J.P.	50483
STIANSEN, S.G.	51398
STIGLITZ, J.	50522
STINZING, H.-D.	50358
STOKES, R.	51810,, 51811
STOLLE, H.J.	50425
STONESIFER, F.R.	50942
STOTT, C.W.	51794
STOTT, J.R.	50169
STRASHEVSKII, V.K.	50135
STRAUBINGER, E.K.	50443
STREET, R.	50036
STRENGEHAGEN, J.	50466
STROTHER, J.R.	50515
STUCKY, C.A.	51976
STUURMAN, A.M.	51818
SUDOU, M.	50214
SUGAI, K.	50841
SUGIMOTO, K.	51198
SUHRBIER, K.R.	50849
SUNDARAM, T.R.	50311, 51711
SUNDSTROM, O.	50843, 50844
SUTULO, S.V.	49929
SUYDERHOUD, J.B.H.	50614, 50945
SUZUKI, K.	50214, 50660
SUZUKI, N.	51395
SUZUKI, S.	51757
SVEDUNG, I.	52033
SVENNING, B.	49991
SVENSSON, S.O.	51615
SWAN, P.N.	50742
SWANEK, R.	51673
SWATTON, R.	51831
SWEGER, G.A.	50799
SWIFT, M.R.	51929, 51930
SWIFT, P.M.	50869, 51514
SWIFT, R.	49961
SYNGELLAKIS, S.	51493
SYRETT, B.C.	50382

SYVERTSEN, K.	.	.	.	.	.	.	.	51119
SZANTYR, J.	.	.	.	.	.	.	.	51350
SZYMCZAK, J.	.	.	.	.	.	.	.	51480

T

TABOADA, B.C.	.	.	.	.	.	.	.	52011
TAGATA, M.	.	.	.	.	.	.	.	50335
TAGUCHI, K.	.	.	.	.	.	.	.	52024
TAJIMA, K.	.	.	.	.	.	.	.	50214
TAKAGI, M.	.	.	.	.	.	.	.	50400
TAKAGI, S.	.	.	.	.	.	.	.	51069
TAKAHASHI, M.	.	.	.	.	.	49930,	49931	
TAKAKI, M.	.	.	.	.	.	.	50121	
TAKANABE, H.	.	.	.	.	.	.	50206	
TAKAO, T.	.	.	.	.	.	.	51760	
TAKASAKI, K.	.	.	.	.	.	.	51283	
TAKE, T.	.	.	.	.	.	.	50310	
TAKEHANA, M.	.	.	.	.	.	50831,	51893	
TAKEMORI, E.M.	.	.	.	.	.	.	51820	
TAKEMOTO, M.	.	.	.	.	.	.	50449	
TAKEMOTO, Y.	.	.	.	.	.	.	49977	
TAKEUCHI, Y.	.	.	.	.	.	.	49982	
TAKEZAWA, S.	.	.	.	.	.	50557,	51917	
TALLGREN, H.	.	.	.	.	.	.	51650	
TAM, P.K.Y.	.	.	.	.	.	49921,	51932	
TAMAKI, H.	.	.	.	.	.	.	51421	
TAMURA, M.	.	.	.	.	.	.	51308	
TANAKA, H.	.	.	.	.	.	.	50646	
TANAKA, K.	.	.	.	.	.	51184,	51917	
TANAKA, M.	.	.	.	.	.	.	51265	
TANAKA, O.	.	.	.	.	.	.	50223	
TANAKA, R.	.	.	.	.	.	.	51304	
TANI, M.	.	.	.	.	.	.	51030	
TASAI, F.	.	.	.	.	.	.	50121	
TAUBERT, O.	.	.	.	.	.	.	50386	
TAUDIN, P.	.	.	.	.	.	.	50925	
TAWSE, D.	.	.	.	.	.	49963, 51744,	51969	
TAYAMA, K.	.	.	.	.	.	.	50330	
TAYLOR, B.	.	.	.	.	.	.	51032	
TAYLOR, D.H.	.	.	.	.	.	.	51756	
TAYLOR, D.L.	.	.	.	.	.	.	51266	
TAYLOR, J.R.M.	.	.	.	.	.	.	50768	
TAYLOR, K.V.	.	.	.	.	.	51546, 51547, 51548,	51562	
TAYLOR, M.F.	.	.	.	.	.	.	51628	
TAYLOR, R.E.	.	.	.	.	.	.	50220	
TAYLOR, R.J.	.	.	.	.	.	51856, 51857,	51858	
TEDESCHI, R.	.	.	.	.	.	.	51340	
TEITLER, S.	.	.	.	.	.	.	50969	
TENENBAUM, S.	.	.	.	.	.	.	51106	
TESSARZIK, J.M.	.	.	.	.	.	.	50512	
THALER, G.J.	.	.	.	.	.	.	51639	
THELEN, W.	.	.	.	.	.	.	51038	
THIELE, E.W.	.	.	.	.	.	.	49909	
THOMALA, W.	.	.	.	.	.	.	51904	
THOMAS, D.B.J.	.	.	.	.	.	.	51487	
THOMAS, H.	.	.	.	.	.	.	51898	

THOMPSON, D.E.	.	.	.	.	.	.	.	50471
THOMPSON, R.E.	.	.	.	.	.	.	.	51048
THOMPSON, R.V.	.	.	.	.	.	51624, 51625,	.	51988
THOMPSON, T.E.	.	.	.	.	.	.	.	50211
THOOLEN, S.	.	.	.	.	.	.	.	51075
THORELL, N.E.	.	.	.	.	.	.	.	52019
THORNTON, P.G.	.	.	.	.	.	.	.	50040
THYRUM, P.T.	.	.	.	.	.	.	.	50760
TICE, L.	.	.	.	.	.	.	.	50397
TICKELL, R.G.	.	.	.	.	.	.	.	51715
TIGHE, J.D.	.	.	.	.	.	.	.	50370
TINGLE, D.	.	.	.	.	.	.	.	51465
TINKER, S.J.	.	.	.	.	.	49918,	.	51937
TINSLEY, C.R.	.	.	.	.	.	.	.	50418
TITAR, A.S.	.	.	.	.	.	.	.	50183
TODD, B.	.	.	.	.	.	.	.	49908
TODD, C.	.	.	.	.	.	.	.	50320
TOFFOLO, D.S.	.	.	.	.	.	.	.	50694
TOKLE, P.	.	.	.	.	.	51430,	.	51821
TOKUDA, S.	.	.	.	.	.	.	.	51383
TOKURA, J.	.	.	.	.	.	.	.	50108
TOMASSONI, C.A.	.	.	.	.	.	.	.	51700
TOMITA, Y.	.	.	.	.	.	50833, 51748,	.	51797
TONNESSEN, A.	.	.	.	.	.	.	.	51167
TOROK, J.	.	.	.	.	.	.	.	49975
TORSET, O.	.	.	.	.	.	.	.	50586
TOSI, F.	.	.	.	.	.	.	.	51052
TOTH, J.	.	.	.	.	.	.	.	50153
TOWERS, J.A.	.	.	.	.	.	.	.	51426
TOWNSIN, R.L.	.	.	.	.	.	51580,	.	51581
TOYAMA, N.	.	.	.	.	.	.	.	50335
TOYAMA, Y.	.	.	.	.	.	50201, 50892,	.	51288
TRABANELLI, G.	.	.	.	.	.	.	.	51824
TRAGARDH, P.	.	.	.	.	.	.	.	51096
TRELEASE, H.	.	.	.	.	.	.	.	50439
TRIMBLE, L.C.	.	.	.	.	.	.	.	51125
TROBNER, G.	.	.	.	.	.	.	.	50433
TROESCH, A.W.	.	.	.	.	.	.	.	51585
TSAKONAS, S.	.	.	.	.	.	.	.	51390
TSENG, T.	.	.	.	.	.	.	.	50910
TSUCHIYA, T.	.	.	.	.	.	51199,	.	51924
TSUKAHARA, S.	.	.	.	.	.	.	.	51284
TSUKAMOTO, O.	.	.	.	.	.	.	.	51185
TSUNEYA, R.	.	.	.	.	.	.	.	50330
TSUTSUMI, T.	.	.	.	.	.	.	.	50835
TSYBENKO, A.F.	.	.	.	.	.	.	.	50049
TSYGANENKO, V.G.	.	.	.	.	.	.	.	50155
TUBB, M.	.	.	.	.	.	.	.	51142
TUCK, E.O.	.	.	.	.	.	.	.	51399
TUCKER, J.S.	.	.	.	.	.	.	.	50979
TULIN, M.P.	.	.	.	.	.	.	.	50307
TUNG, P.	.	.	.	.	.	.	.	51446
TURNBULL, B.W.	.	.	.	.	.	.	.	50383
TURNBULL, D.E.	.	.	.	.	.	.	.	52013
TURNER, D.	.	.	.	.	.	.	.	49952
TURNER, D.B.	.	.	.	.	.	.	.	50895
TURNER, F.H.	.	.	.	.	.	50289,	.	50624

TUSCH, K.N.	.	.	.	.	.	.	.	51318
TUTUREA, D.P.	.	.	.	.	.	.	.	50217
TUUKKANEN, K.	.	.	.	.	.	.	.	51650
TWIGG, J.W.	.	.	.	.	.	.	.	51657

U

UEDA, K.	.	.	.	.	.	.	.	51197
UEDA, Y.	.	.	.	.	.	.	.	50074
UETA, Y.	.	.	.	.	.	.	50557,	51269
UHRICH, R.W.	.	.	.	.	.	.	.	50957
ULANDER, B.	.	.	.	.	.	.	.	50452
UNTIEDT, W.	.	.	.	.	.	.	.	51434
UPAHL, E.	.	.	.	.	.	.	.	51200
URBAN, R.W.	.	.	.	.	.	.	.	51846
URWIN, M.J.	.	.	.	.	.	.	.	51297
USHIROKAWA, O.	.	.	.	.	.	.	.	50828
UTAH, D.A.	.	.	.	.	.	.	.	51382
UTTERBACK, R.E.	.	.	.	.	.	.	51021,	51023
UYEDA, S.T.	.	.	.	.	.	.	.	50785

V

VALENT, P.J.	.	.	.	.	.	.	51857,	51858
VALENTINE, D.T.	.	.	.	.	.	.	.	50666
VANDIVER, J.K.	.	.	.	.	.	.	.	51121
VANLANDINGHAM, D.J.	.	.	.	.	.	.	.	51432
VARENOV, P.G.	.	.	.	.	.	.	.	49907
VARGES, G.	.	.	.	.	.	.	.	49893
VARSTA, P.	.	.	.	.	.	.	.	51409
VASILEV, A.L.	.	.	.	.	.	.	.	50145
VASSILAROS, M.G.	.	.	.	.	.	.	.	50987
VASSILOPOULOS, L.	.	.	.	.	.	.	.	51400
VAUGHAN, H.	.	.	.	.	.	.	.	50627
VAVRA, M.H.	.	.	.	.	.	.	.	50294
VEEN, J.H. VAN DER	.	.	.	.	.	.	.	50403
VELIOTIS, P.T.	.	.	.	.	.	.	51080,	51416
VELSCHOU, S.	.	.	.	.	.	.	.	50918
VERDE, E.	.	.	.	.	.	.	.	51052
VERMEER, H.	.	.	.	.	.	.	.	52034
VERMEHREN, M.W.	.	.	.	.	.	.	.	50902
VEROLME, C.	.	.	.	.	.	.	.	51160
VERSHIN, G.V.	.	.	.	.	.	.	.	50158
VETERE, V.F.	.	.	.	.	.	.	.	51453
VEUBEKE, B.M.F. DE	.	.	.	.	.	.	.	50263
VIAN, R.	.	.	.	.	.	.	.	51320
VICKERS, G.W.	.	.	.	.	.	.	.	51027
VIKTORIN, O.	.	.	.	.	.	.	.	50392
VILESOV, D.V.	.	.	.	.	.	.	50166,	50187
VINAKOV, F.S.	.	.	.	.	.	.	.	51435
VIRR, M.J.	.	.	.	.	.	.	.	50340
VLADIMIROV, V.A.	.	.	.	.	.	.	.	51435
VOELKER, R.P.	.	.	.	.	.	.	.	50968
VOITKUNSKAYA, A.YA.	.	.	.	.	.	.	49927, 50126,	50129
VOITKUNSKY, YA.I.	.	.	.	.	.	.	.	50127
VOLCY, G.C.	.	.	.	.	.	.	50005,	51764
VOLIKIN, G.M.	.	.	.	.	.	.	.	51415

135

4

[illegible]

WOLF, G.	49956,	51746
WOLFENDEN, R.T.	.	50327
WOLFF, K.	.	50846
WOLFRAM, J.	.	51014
WOOD, N.L.	.	50477
WOODBURY, C. E.	.	51301
WOODLEY, B.J.	51053,	51566
WOODRUFF, R.B.	.	51413
WOODSON, C.W.	.	50696
WOOTTON, L. R.	51292,	51310
WORTHINGTON, B.A.	.	50582
WREDE, J.	.	51533
WRIGHT, D.K.	51017,,	51018
WRIGHT, J.H.G.	.	51193
WRIGHT, J.C.	.	50679
WRIGHT, P.W.	.	50712
WU, C.	.	51622
WU, J.	.	50307
WUHRER, W.	.	51194
WULLSCHLAEGER, H.-G.	.	50734
WYATT, S.	.	52032
WYBRANIEC, S.	.	51563
WYSOCKI, W.	.	50706

Y

YAGI, J.	50632,	50633,	50833
YAMADA, K.	.	.	49982
YAMADA, Y.	.	.	50980
YAMAGISHI, S.	.	.	51284
YAMAGUCHI, M.	.	50480,	51911
YAMAMOTO, F.	.	.	51386
YAMAMOTO, T.	.	.	50679
YAMAMOTO, Y.	50073,	50115,	50830,
YAMAOKA, M.	.	.	50147
YAMAZAKI, R.	.	49933,	51197
YANG, C.C.	.	.	50213
YANG A-KANG	.	51203,	51406
YANG YOU-ZONG	.	.	51335
YANOME, S.	.	.	51769
YE YUAN-PEI	.	.	51716
YEE, A.Y.	.	.	50279
YEH, H.Y.H.	.	50657,	51708
YERGES, L.F.	.	.	51729
YILDIZ, A.	.	.	51943
YOERKIE, C.A.	.	.	51066
YONEHARA, N.	.	.	51282
YONEYA, T.	.	.	50962
YOSHIDA, K.	.	.	50962
YOSHIMOTO, I.	.	50984,,	50985
YOSHIMURA, Y.	.	.	50839
YOSHINO, T.	.	.	50841
YOSHIOKA, M.	.	.	50660
YOUNG, E.A.	.	.	50246
YU JIA-PENG	.	.	51407
YUDOVIN, B.S.	.	.	50870
YUILLE, I.M.	.	.	50055

2

ZADE, G.	.	.	.	.	.	.	.	51091
ZAHN, A.	.	.	.	.	.	.	.	50750
ZAKKAY, V.	.	.	.	.	.	.	.	51238
ZANKER, A.	.	.	.	.	.	.	.	50852
ZEHNDER, G.	.	.	.	.	.	.	.	51962
ZERBINO, L.M.	.	.	.	.	.	.	.	51211
ZHICHINSKIY, L.A.	.	.	.	.	.	.	.	50328
ZHINKIN, V.B.	.	.	.	.	.	.	.	50128
ZHU WEN-WEI	.	.	.	.	.	.	.	51406
ZIESCHE, F.	.	.	.	.	.	.	.	50601
ZIMMERMANN, H.	.	.	.	.	.	.	.	50896
ZINCHENKO, V.P.	.	.	.	.	.	.	.	50328
ZINKGRAF, H.L.	.	.	.	.	.	.	.	51860
ZOLKIEWICZ, J.	.	.	.	.	.	.	.	50533
ZOLLINGER, H.J.	.	.	.	.	.	.	.	50496
ZOLOTUKHINA, L.A.	.	.	.	.	.	.	.	50092
ZUCCHI, F.	.	.	.	.	.	.	.	51824
ZWINGMANN, U.	.	.	.	.	.	.	.	50518

 B.S.R.A. JOURNAL OF ABSTRACTS

INDEX TO VOLUME 34

1979

SHIP NAMES INDEX

NOTE-THE REFERENCES ARE TO ABSTRACT NUMBERS

NOTE-ASTERISKS DENOTE SHIP DESCRIPTIONS

A

ACADIAN MARINER, M.V., SUPPLY VESSEL	51150
ADLERGRUND, M.V., BARGE	51697*
ADMIRAL ATLANTIC, M.V., ROLL-ON/ROLL-OFF VESSEL	50229
ADMIRAL CABRAL, M.V., TANKER	50434*
ADMIRAL NIGERIA, M.V., ROLL-ON/ROLL-OFF VESSEL	50229*
ADMIRAL PACIFIC, M.V., ROLL-ON/ROLL-OFF VESSEL	50229
ADRIANNE, M.V., TRAWLER	51031
AL GHARIAH, M.V., TUG	50789*
AL JUMAILIAH, M.V., TUG	50789*
AL SAILIAH, M.V., TUG	50789*
AL SHAHANIAH, M.V., TUG	50789*
AL SOWAHLIAH, M.V., TUG	50789*
ALEXANDR NEVSKIJ, M.V., BULK CARRIER	50232*
ALKMAAR, ANTI-MINE VESSEL	50447
ALMIRANTE IRIZAR, M.V., ICEBREAKER	51151, 51960
ANTWERPEN, M.V., CONTAINER/BULK CARRIER	51685*
APACHE, M.V. PIPELAYER	50785*
APRIL HAMER, M.V., DREDGER	50428
ARABIAN ENDEAVOUR, M.V., CARGO VESSEL	51863
ARABIAN STRENGTH, M.V., CARGO VESSEL	51863
ARCO ANCHORAGE, S.S. TANKER	51676
ARCTIC SURVEYOR, M.V., RESEARCH SHIP	50050*
ARDJUNA SAKTI, FLOATING PLATFORM	50624
ARION, M.V., TUG	50794*
ASIAFREIGHTER, G.T.S., CONTAINERSHIP	51978
ATLAS MARU, M.V., HEAVY-LIFT SHIP	51694*, 51695*, 51813
ATLAS MARU, M.V. TUG	51568
AUSTRALIAN EMBLEM, M.V., CONTAINER SHIP	51030
AZTEK, M.V., TANKER	51149

B

BACO-LINER 1, M.V., BARGE-AND-CONTAINER CARRIER	51870
BALDER, CRANESHIP	50588
BALIKPAPAN, LANDING CRAFT	50722
BANDAR ABBAS EXPRESS, M.V., ROLL-ON/ROLL-OFF VESSEL	50236*
BAY SKIMMER, OIL-RECOVERY VESSEL	50613
BERGE SISU, M.V., TANKER	50603*
BLUE WHALE, ...	50594
BOGATYR, M.V., CRANE SHIP	50431

BOOGABILLA, M.V., ROLL-ON/ROLL-OFF VESSEL							50605*
BORIS BUTOMA, M.V. ORE/OIL CARRIER	50049,	50135,	50137,	50141,	50155		
				50172,	50173		
BRECON							50447
BURTON ISLAND, ICEBREAKER							51632
BUTZFLETH, M.V., TUG							49890*

C

CALEDONIA, M.V., CARGO VESSEL							51863*
CASTORO VI, M.V., PIPELAYER							49999
CAVALLO, M.V., ROLL-ON/ROLL-OFF VESSEL							50230
CHALLENGER							50594
CHARLES H. CATES VII, M.V., TUG							49891*
CHERNOMORETS, M.V., CRANE SHIP							50431
CICERO, M.V., ROLL-ON/ROLL-OFF VESSEL							50230*
CITY OF PLYMOUTH, M.V., CONTAINER VESSEL							49883*
CLEVELAND ENDEAVOUR, M.V., FIREBOAT							50429
COLUMBUS CANTERBURY, M.V., CONTAINERSHIP							51683*
COLUMBUS LOUISIANA, M.V., CONTAINERSHIP							51683*
COLUMBUS QUEENSLAND, M.V., CONTAINERSHIP							51683*
COLUMBUS TARANAKI, M.V., CONTAINER VESSEL							51506*
COLUMBUS TASMANIA, M.V., CONTAINER VESSEL							51506*
CONSUB 2, SUBMERSIBLE							50777
COPPER MARINER II, M.V., SHRIMP BOAT						49909,	50826
CORINNA DRESCHER, M.V., CARGO VESSEL							51507

D

DANA FUTURA, M.V., ROLL-ON/ROLL-OFF VESSEL							50228
DANA GLORIA, M.V., ROLL-ON/ROLL-OFF VESSEL							50228
DANA MAXIMA, M.V., ROLL-ON/ROLL-OFF VESSEL							50228*
DELFBORG, M.V. CARGO VESSEL							50787*
DEVONBROOK, M.V., BULK CARRIER							51688*
DIANA II OF SLITE, M.V., FERRY							51684*
DIMITRI DONSKOI, M.V., BULK CARRIER							50232*
DIMITRI POZHARSKIJ, M.V., BULK CARRIER							50232*
DIVIS II, M.V., TANKER							51146
DOCK EXPRESS 10, 11 AND 12, M.V., CARGO VESSELS							51153
DONAR, M.V., COASTER							51690*
DURHAMBROOK, M.V., BULK CARRIER							51688*

E

EL PASO ARZEW, TANKER							51324
EL PASO HOWARD BOYD, TANKER							51324
EL PASO PAUL KAYSER, S.S., TANKER							50604
EL PASO SOUTHERN, TANKER						50423,	51324
ELEO MAERSK, M.V., CARGO VESSEL/RO/RO							51868*
ELGER, M.V., HEAVY-LIFT CARRIER							51504
EMIRATES EXPRESS, M.V., ROLL-ON/ROLL-OFF VESSEL							50236*
EMMA MAERSK, M.V., CARGO VESSEL/RO/RO							51868*
EMPERI, M.V., BARGE-PUSHER							50066
ENAK, M.V., HEAVY-LIFT CARRIER							51504
ERLANGEN EXPRESS, M.V., CONTAINERSHIP							51323
ESSEX, AIRCRAFT CARRIER							51563
ESSO ITALIA, S.S., TANKER							51928
ESSO SABA, S.S. TANKER							51178

INDEX

1-1

ESSO SINGAPORE, S.S. TANKER	.	.	.	.	.	51178
ESSO WARWICKSHIRE, TANKER	.	.	.	.	.	50587

F

FALCON, M.V., BULK CARRIER	.	.	.	.	.	51769
FINNJET, TGT FERRY	.	.	.	.	.	51457
FIREBRAND M.V., FIRE-FLOAT	.	.	.	.	.	50240*
FIREBUSH, M.V., U.S.C.G. BUOY TENDER	.	.	.	.	.	51840
FJORDSHELL, M.V., PRODUCTS TANKER	.	.	.	.	49960,	50340
FORMIDABLE, M.V., TUG	.	.	.	.	.	50790*
FORT AUSTIN, M.V., SUPPLY VESSEL	.	.	.	.	.	50238
FORT FLEUR D'EPEE, M.V., CONTAINERSHIP	.	.	.	.	.	51689
FORT GRANGE, M.V., SUPPLY VESSEL	.	.	.	.	.	50238*
FORT ROYAL, M.V., CONTAINERSHIP	.	.	.	.	.	51689*
FRITHJOF, RESEARCH/MOTHER SHIP	.	.	.	.	.	51509
FUJI, M.V., ICEBREAKER	.	.	.	.	.	50557

G

GANSEGRUND, M.V., BARGE	.	.	.	.	.	51697*
GARIBALDI, M.V., CRUISER	.	.	.	.	.	51995
GAS RISING SUN, M.V., TANKER	.	.	.	.	.	50603
GEESTEMUNDE, M.V., STERN-TRAWLER	.	.	.	.	.	50357
GERMANIA, M.V., PASSENGER VESSEL	.	.	.	.	.	50425*
GEROITE NA ODESSA, M.V., FERRY	.	.	.	.	.	49886*
GEYSIR, M.V., PURSE SEINER/TRAWLER	.	.	.	.	.	51866*
GIRL PAT III, M.V., FISHING-VESSEL	.	.	.	.	.	50612*
GOOD HOPE, M.V. BARGE	.	.	.	.	.	50902
GREAT LAND, S.S. RO/RO VESSEL	.	.	.	.	.	50826
GRETE NIELSEN, CARGO VESSEL	.	.	.	.	.	50607
GROOTSAND, M.V., CARGO VESSEL	.	.	.	.	.	50426*

H

HAABULL, M.V., TUG	.	.	.	.	.	50792*
HAIDA BRAVE, M.V., LOG CARRIER	.	.	.	.	.	50788*
HAIDA CARRIER, M.V. LOG CARRIER	.	.	.	.	.	50895
HAIDA MONARCH, M.V., LOG CARRIER	.	.	.	.	50788,	50895
HAMLET ALICE, M.V., CARGO VESSEL	.	.	.	.	.	50659
HAVENGORE, M.V., HYDROGRAPHIC VESSEL	.	.	.	.	.	51996
HELEN, M.V., CONTAINER/BULK CARRIER	.	.	.	.	.	50231*
HELENE DELMAS, M.V., CONTAINER SHIP	.	.	.	.	.	51869
HOECHST EXPRESS, M.V., CONTAINERSHIP	.	.	.	.	.	51323
HOLSTENSAILOR, M.V., SEMI-CONTAINER SHIP	.	.	.	.	.	50234*
HOLSTENTRADER, M.V., SEMI-CONTAINER SHIP	.	.	.	.	.	50234
HULL 741, M.V., CARGO LINER	.	.	.	.	.	50964*
HUSKY, M.V., TUG	.	.	.	.	.	50608*

I

IBN ALBANNA, M.V., CHEMICAL CARRIER	.	.	.	.	.	49888
IBN ROCHD, M.V., CHEMICAL CARRIER	.	.	.	.	.	49888
IMPERIAL NOOTKA, M.V., SUPPLY VESSEL	.	.	.	.	.	50427*
INDOMITABLE, M.V., TUG	.	.	.	.	.	50790*
ISMARA, M.V., PRODUCTS TANKER	.	.	.	.	.	50235*

J

JENS KOFOED, M.V., FERRY	51505
J.J. OBERDORF, M.V., TUG	51156
JOHN, M.V., TUG	50793*
JOHN F. KENNEDY, M.V., FERRY	51879*
JOHN HENRY, M.V., HEAVY-LIFT VESSEL	50784, 51691
JOS. F. MERRELL, M.V., FERRY	51879*

K

KAAMA, PLANING VESSEL	51595
KAIMALINO, SEMI-SUBMERGED PLATFORM	50100, 50110, 50111, 50191, 51593, 51922
KAPITAN PURGIN, M.V., FACTORY TRAWLER	50433*
KATMAI BAY, M.V., TUG	51693*
KRANTOR, M.V., DIVER SUPPORT VESSEL	51148
KRYM, S.S., TANKER	50184
KUDU II, PLANING VESSEL	51595
KUROBE-MARU, CONTAINERSHIP.	50480

L

LABUAN, H.M.A.S.	50199
LADY CHILEL JAWARA, M.V., FERRY	50237*
LADY DEBBIE, M.V., TUG	50791*
LADY MOIRA, M.V., TUG	50791*
LASH ITALIA, S.S., BARGE CARRIER	51100
LEANDER, FRIGATE	50446, 51207
LEVERKUSEN EXPRESS, M.V., CONTAINERSHIP	51323*
LLOYDIANA, CONTAINERSHIP	51052
LOUIS S. ST LAURENT, ICEBREAKER	50885
LUCIAN, G.T.V., TANKER	50495
LUCY ASHTON,	51586
LUDWIGSHAFEN EXPRESS, M.V., CONTAINERSHIP	51323
LUNNI, ICEBREAKING TANKER	51477

M

MAESTRALE, G.T.V., FRIGATE.	49964
MALACCA MARU, M.V., CARGO VESSEL	50801
MANCHESTER CHALLENGE, M.V., CONTAINER SHIP	51933
MAPLIN, M.V., HYDROGRAPHIC VESSEL.	51996
MARCAB, M.V., PILOT VESSEL.	49894*
MARGARET MARU, CAR CARRIER.	50435
MARIN, G.T.S., FERRY	51610
MEERKATZE, M.V., FISHERIES PROTECTION VESSEL	51509*
MENKAR, M.V., PILOT VESSEL.	49894*
METHANE PRINCESS, S.S., TANKER	51252
METHANE PROGRESS, S.S., TANKER	51252
METHANIA, S.S., TANKER	50604*
MINI STAR, M.V., CARGO VESSEL	50424*
MINI SUN, M.V., CARGO VESSEL	50424*
MIRFAK, M.V., PILOT VESSEL.	49894*
MOBIL JADE, M.V., TANKER	50385, 50386
MUTSU, N.S., CARGO VESSEL	50401

N

NANNY, S.S., TANKER.	50963*, 51147
NARWHAL, M.V., CRANE-VESSEL	50614*
NEDLLOYD DEJIMA, S.S., CONTAINER SHIP	50081
NEDLLOYD DELFT, S.S., CONTAINER SHIP	50081
NEDLOYD ROCHESTER, M.V., ROLL-ON/ROLL-OFF VESSEL	51687*
NEDLOYD ROSARIO, M.V., ROLL-ON/ROLL-OFF VESSEL	51687*
NEDLOYD ROTTERDAM, M.V., ROLL-ON/ROLL-OFF VESSEL	51687*
NEDLOYD ROWEN, M.V., ROLL-ON/ROLL-OFF VESSEL	51687*
NEPTUN SUECIA, M.V., TUG	49889*
NOPAL ARGUS, M.V., ROLL-ON/ROLL-OFF VESSEL	50376
NOPAL BRANCO M.V., ROLL-ON/ROLL-OFF VESSEL	50376
NOPAL LANE M.V., ROLL-ON/ROLL-OFF VESSEL	50376
NOPAL MASCOT, M.V., VEHICLE CARRIER	50786*
NOPAL SEL M.V., ROLL-ON/ROLL-OFF VESSEL	50376
NOPAL VERDE, M.V., ROLL-ON/ROLL-OFF VESSEL	50376
NORDSEE, M.V., DREDGER	51326*
NORRLAND, M.V., PROBO CARRIER	51508*

O

ODIN	50594
OLIVER HAZARD PERRY, G.T.V., FRIGATE	50509
ORCA	50594
O.S.K.1, M.V., OIL-SKIMMER CATAMARAN	51698
OTTO HAHN, N.S., ORE CARRIER	51042

P

P 10, BARGE	51327
PACIFIC CHALLENGE, M.V., TUG	51426
PACIFIC CONSTRUCTOR, M.V., CRANE SHIP	49895*
PACIFIC PRINCESS, M.V., CARGO VESSEL	51503
PACIFIC SWAN, M.V., NUCLEAR FUELS CARRIER	51143
PAMLICO, M.V., U.S.C.G. CONSTRUCTION TENDER	51841
PASSAT, RESEARCH VESSEL	51435
PATRICIA, FERRY	50436
PAUL BUNYAN, M.V., HEAVY-LIFT VESSEL	51691
POINT HERRON, M.V., U.S.C.G. SMALL PATROL BOAT	51843
POINT LOMA, USS	50663
POLAR STAR, COAST GUARD CUTTER	50469
POMERANIA, M.V., FERRY	49887*
POVL ANKER, M.V. FERRY	51505
PROTIS, M.V., LIFTING VESSEL	49892*

R

RABENFELS, M.V., ROLL-ON/ROLL-OFF SHIP	51925
REIUME, M.V., BARGE-PUSHER	50066
RELUME, M.V., BUOY TENDER	51692*
RHEINFELS, M.V., ROLL-ON/ROLL-OFF SHIP	51925
ROCKY GIANT, M.V., SUPPLY VESSEL	50607*
ROELAND, M.V., FIRE-FIGHTING VESSEL	50611*

S

SAN CLEMENTE, M.V. TANKER	51631
---------------------------	-------

SAN DIEGO, S.S., TANKER	50000, 51472, 51631, 51640
SAN FRANCISCO, G.T.S., FERRY	51610
SANTILLANA, TANKER	50547
SARITA	50594
SEA-LAND LEADER, M.V., CONTAINERSHIP	51948*
SEA-LAND MCLEAN, S.S., CONTAINERSHIP	50124, 50125, 51899, 51900, 51901
SEA SWIFT, M.V. TUG.	51676
SEMAC I, LAY-BARGE	50044
SHIOJI MARU, M.V., TRAINING VESSEL	51475
SHOTOKU MARU, M.V. FISHING VESSEL	51437
SILESIA, M.V., FERRY	49887*
SISU, TD E ICEBREAKER	51457
SKAUGRAN, M.V., ROLL-ON/ROLL-OFF VESSEL	51145
SONOMA, G.T.S., FERRY	51610
STAHLECK, M.V., HEAVY-LIFT ROLL-ON/ROLL-OFF VESSEL	50784, 51691
STAKHANOVETS KOTOV, M.V., RO-FLOW/HEAVY-LIFT VESSEL	49885, 51152
STAKHANOVETS PETRAS, M.V., RO-FLOW/HEAVY-LIFT VESSEL	51152
STAKHANOVETS YERMOLENKO, M.V., RO-FLOW/HEAVY-LIFT VESSEL	51152
STAR PERSEUS, M.V., SUPPORT VESSEL	51865*
STELLA PROCYON, M.V., TANKER	51157
STENA OCEANICA, FERRY	50436
STENA TOPPER, M.V., ROLL-ON/ROLL-OFF VESSEL	50606*
STEPHANITURM, M.V. DIVER SUPPORT SHIP	50783, 51155, 51864
STEWART J. CORT, S.S., ORE CARRIER	51662

T

TARAWA, USS, ASSAULT SHIP	51055
TFL PROGRESS, M.V., ROLL-ON/ROLL-OFF SHIP	51867
TFL PROSPERITY, M.V., ROLL-ON/ROLL-OFF SHIP	51867
THEBELAND, M.V., ROLL-ON/ROLL-OFF VESSEL	50048, 51325
THIASSI, M.V., COASTER	51690
TIBOR SZAMUELY, BARGE CARRIER	50795
TRIDENT, SUBMARINE	50708
TURELLA, M.V., FERRY	51871*
TYRUSLAND, TM ROLL-ON/ROLL-OFF VESSEL	51325

U

UGLEN, M.V., CRANE-SHIP	50609*
UGLEURALS	50182
UNIVERSE KURE, S.S., BULK CARRIER	51662
URHO, TD-E ICEBREAKER	51457

V

VIGOROUS, M.V., U.S.C.G. MEDIUM CONSTRUCTION TENDER	51839
VIKING GULL, M.V., TANKER	51144
VITYAZ, M.V., CRANESHIP	50431*

W

WAINWRIGHT	51567
WESTWARD VENTURE, S.S. RO/RO VESSEL	50826
WHITE SAGE, M.V., U.S.C.G. BUOY TENDER	51842
WILLIAM H. STANDLET, USS	51658
WIMPEY SEALAB, DRILLING SHIP	50601

WINTER WATER, M.V., REFRWINTER WATER, M.V., REFRIGERATED CARGO VESSEL 51154
WITTSAND, M.V., CARGO VESSEL 50426*

Y

YULIUS FUCHIK, M.V., BARGE CARRIER 50233, 50795

Z

ZINCMASTER, M.V., BULK/TANKER/CONTAINER RO-RO, VESSEL 51686*

END

DATE
FILMED

5 81

DTIC