TROPICAL TIMBERS

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Indonesia on the brink

Recent reports from Indonesia paint a picture of a country in chaos and an industry on the verge of collapse. Unemployment in Indonesia now stands at 9 million and is estimated to rise to 13 million by the end of the year. Soaring unemployment is helping to fuel intensifying anti government demonstrations. Plymills continue to close and considerable volumes of felled wood have been left to rot in the forest. Many Chinese, who had a major financial stake in the Indonesian timber sector, have simply cut their losses and moved out. They will have been encouraged to depart by the severe civil unrest, much of which has focused on the Chinese sector of the population. Systems to maintain the quality of Indonesian products are under pressure. Plywood prices are now 50% of their average level last year.

In the face of the worsening economic conditions and civil unrest, in late April President Suharto's Government reiterated its intention to meet a series of economic targets set by the IMF and made a number of gestures to reassure the international business community. Measures were taken to make investment in Indonesia more attractive. In early April, interest rates were raised to support the rupiah while restrictions on foreign participation in Indonesian business were eased. Early indications suggested that the measures had encouraged international financial markets - the rupiah rose by more than 25% during April. The IMF was sufficiently satisfied to authorise the release of US\$7 billion in financial aid to boost Indonesia's stricken economy.

However confidence was short lived. The rupiah plummeted again as reductions in subsidies and related price hikes on food, domestic fuel and electricity fueled the riots which eventually led, on 21 May, to President Suharto's resignation. Early signs are that Mr Suharto's departure, and his replacement by his own protegy, Mr Habibie, have done little to boost investor confidence. The appointment of Mr Habibie has been received with scepticism both

inside and outside Indonesia owing to his close links with the former regime. Continuing social unrest has encouraged Mr Habibie to announce general elections which are likely to be held early next year. Mr Suharto leaves behind him a country attempting a messy transition to democracy in the midst of a slump.

Against this background of political turmoil, the Indonesian timber industry faces an uncertain future. The uncertainty has been compounded by the Indonesian government's eratic behaviour in the face of IMF demands for structural reform. The government has apparently complied with IMF's recommendation that APKINDO, the plywood joint marketing body, be dismantled. Officially it is now acting only as a communication forum for plywood producers and a liaison agency between its members and government. Indonesian exporters are free to deal directly with foreign buyers and to use the shipping service of their choice. However, in early May there were reports that Bob Hassan was rallying Indonesian Plywood mills to keep them in line with the kind of centralised marketing they were used to under APKINDO.

Another area of uncertainty is the IMF's recommendation that Indonesia should reduce export taxes on Indonesian logs. This measure would inevitably push domestic log prices upwards and disrupt the plywood industry's raw material supply. However, IMF have argued that it would serve to increase the efficiency of Indonesia's plywood industry by opening it up to international competition.

In response to IMF pressure, the Indonesian government had originally proposed a sudden reduction in export taxes on Indonesian logs to 10% on 1 March this year. However, this measure wasn't implemented and apparently for good reason. Such "sudden shock" tactics would have a crippling effect on a plywood industry that is already reeling, serving to increase unemployment further in the short term and fuel social unrest. On 22 April the Indonesian government announced a more progressive ap-

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Peninsular Malaysia Suspends Levy

In an effort to boost flagging exports and help avoid bankruptcies, Peninsular Malaysia suspended export levies on most wood products on 6 May. Peninsular Malaysia are concerned about continuing lack of demand for their products, despite offering highly competitive prices on the international market. Due to plummeting exchange rates, the price of kiln dried DRM has fallen from around £670 per ton in April 1997 to £430 in April 1998. Meanwhile African prices have remained relatively stable. The State has suffered from lack of regional demand in South East Asia following last year's currency crises and continuing uncertainty over exchange rates.

The levy suspension applies only to sawn wood from Peninsular Malaysia. Levies on two Group A species, Jelutong and Ramin, have been suspended. Other Group A species retain their RM250/m3 (RM352/ton) levy. With the exception of rubberwood, levies on all Group B species have been suspended. The levy on rubberwood has been revised from RM180/m3 (RM254 per ton) to RM120/m3 (RM170 per

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STATISTICS IN THIS ISSUE

U.K. IMPORTS

logs, sawn, plywood, veneers sleepers, blockboard

Outside E.C.

January-December 1997 January & February 1998 Intra E.C.

> January-December 1997 December 1997 January 1998

GHANA

Exports by product Years 1996 & 1997 Product exports by species

Years 1996 &1997

Product exports by destination

Years 1996 &1997

- · Tropical Timbers, editor: Rupert Oliver
- Market and Environmental Information for the Forest Products Industry

Enquiries: The Editor, Tropical Timbers, 19 Raikeswood Drive , Skipton, North Yorkshire BD23 1NA Tel/Fax: (44) (0) 1756 796992

Peninsular Malaysian levies continued from page 1

ton) and its export is subject to quota. The levy on wood in Group C, formally set at RM40/m3 (RM56/ton) has been suspended. A levy of RM120/m3 (RM170 per ton) on timber strips has been introduced to promote value added processing.

The impact of the changes in levy on prices paid by importers will not be significant, as there is no guarantee the saving will be passed on. Many shippers will looking to the reduction in export levy to offset recent increases in freight charges.

PENINSULAR MALAYSIA NEW EXPORT LEVIES						
Group/species	New Levy Ringitt/m3					
GROUP A Chengal	250					
Damar Minyak Nyatoh	250 250					
Kembang Semangkok	250					
Red Balua Jelutong	250 Exempted					
Ramin	Exempted					
GROUP B						
Dark red meranti	Exempted					
Light red meranti/Red seraya Red meranti	Exempted Exempted					
Melanta/Kawang	Exempted					
White meranti/melapi	Exempted					
Sepetir White Seraya	Exempted Exempted					
Balau	Exempted					
Bintangor Durian	Exempted Exempted					
Gerongang	Exempted					
Kempas	Exempted					
Melunak Merbau	Exempted Exempted					
Mersawa	Exempted					
Perupok Rubberwood (quota)	Exempted 120					
	120					
GROUP B (STRIPS) Jelutong	120					
Dark red meranti	120					
Light red meranti	120					
Red meranti Red Seraya	120 120					
•	120					
GROUP C Other species	Evennted					
Omer species	Exempted					

Certification - who needs it?

Timber certification has been heavily promoted in European markets by environmentalists, certifiers, and large commercial retailers, notably in the Do-It-Yourself sector. Environmentalists see it as a way of improving forestry practices by creating market demand for sustainably managed wood. Retailers have supported certification to deflect environmental criticism and to discourage environmental groups demonstrating on their doorsteps.

The success of these campaigns is reflected in the extent to which certification has become a central feature of the policy debate surrounding forests. A number of countries have sought to exploit demand for certification through development of their own national programmes. Certain suppliers, including large Swedish producers and the Polish State Forest Service, have sought market recognition through Forest Stewardship Council certification. The UK is now toying with the idea of developing a national certification programme linked closely with the FSC.

But all this activity begs the question; just how strong is demand for certification? The question of demand is critical for those timber producers that are being encouraged by environmentalists and retailers to invest in certification. Unfortunately opinions on demand for certification vary considerably. There are those that believe that certification is an essential component of marketing strategy. Others are equally emphatic that their customers aren't interested in certificates.

The European Forestry Institute has recently published the results of extensive market research which has sought to shed light on this issue. Their research involved assessments of corporate and public attitudes to wood, forestry and certification in several European countries. According to the study, overall public demand for certified wood products is limited. The most important attributes of timber products for consumers in the main European markets (in order of importance) were: quality, durability, form, material, and economic price, followed by environmental attributes. The general public also demonstrated little willingness to pay for certification. Willingness to pay was highest in Germany and least in the UK.

Nevertheless, sustainably certified timber products were seen as being considerably more "environmentally friendly" and "in style" than non certified products. It was also stressed that much of the demand for certified products is being generated at corporate level. Retailers, local authorities and public utilities are acting as "gate keepers" implementing environmental purchasing policies on behalf of their customers. Some corporate buyers seem willing to pay a premium. The European public regarded environmental organisations as the most credible certifiers, followed by industry. Governments were seen as least credible.

Attitudes of the importing industry to certification were revealing. Price and product quality were clearly more important factors in their customers buying decisions than the environment. However, the environment was seen as an important and growing marketing issue. Good forest management was regarded by industry as a source of competitive advantage. There was widespread belief in the need for certification. This was more to serve a general marketing need for credible information and to counter environmentalist claims, than to supply a niche market. In the UK, as many as 85% of industry respondents said that timber certification would support their decisions about future products and markets, while 50% said that certification would strongly influence their choice of raw material suppliers.

While recognising the marketing benefits, timber industry representatives were well aware of the technical problems. Nearly all industry representatives regarded chain of custody monitoring to be difficult or totally impossible. Industry saw little potential to derive a premium from certified products, and most believed their customers were not particularly interested in the origin of timber products. Industry strongly favoured ISO over other forms of certification. Another potential but less favoured route was the development of certification at EU level. FSC was the least favoured route to certification. Even within the WWF 1995 Plus Group there seemed to be doubts about FSC. 50% Group members surveyed stated they would prefer ISO certification over FSC certification European forest owners were not impressed by certification. They were not ready to accept the costs, unless a premium was available, and did not see it as an effective way to improve practices. There was a higher degree of support for certification in the UK than in Finland. Larger forest owners were generally more receptive than smaller owners.

More from: European Forest Institute, Torikatu 34, FIN-80100 Joensu, Finland. Tel +35813 252020, Fax +358 13 124 393. E-mail efisec@efijoensuu.fi

B&Q

According to B&Q, the UK's largest DIY retailer, some 20% of their turnover is accounted for by timber and timber products, including such items as wallpaper, tool handles and toilet seats. These products are supplied by 160 companies in 40 countries. B&Q provides full details of its timber purchasing policy on the

internet (http://www.diy.co.uk/environ.htm). B&Q has established ambitious timber purchasing targets. It wants to ensure that 15% of timber by volume is FSC certified by 10 May 1998, 50% by 14 June 1999, and 100% by September 1999. B&Q have invested heavily in promoting these targets, and their commitment to FSC, through national advertising campaigns. The company's determination to meet these targets

is reflected in their "firm" treatment of existing suppliers who are reporting that B&Q are threatening immediate withdrawal of business from any company that doesn't commit to FSC certification. B&Q seem to be relying heavily on home-grown timber producers to go down the FSC route. Around 50% of B&Q's timber comes from the UK.

INDICATIVE PRICES

Latest indicative prices available at time when preparing this report. Prices are subject to continuous variation and may vary in relation to volumes purchased, specification, port of shipment and quality of a particular shippers production. Specifications are given as a guide - in practice the details vary.

Logs	Mar	<u>Apr</u>	May.
Ex Cameroon Fr.F/r	n3 FOB Do	uala LM	
N'GOLLON			
70cm+20% 60/69 BOSSE 60cm+	1450	1450	1420
AYOUS 70cm+	1575 1075	1575 1075	1575 1050
BIBOLO 60cm+	1450	1450	1450
SAPELE	1.00	1.00	1.00
80cm+20% 70/79	1750	1750	1650
SIPO			
80cm+20% 70/79	1950	1950	1950
IROKO 80cm+20% 70/79	1650	1650	1650
00cm 2070 70/77	1030	1030	1030
E G I E E/ 2E	ion o	737	
Ex Gabon Fr.F/m3 F ACAJO U	OB Owend	o LM	
70cm+20% 60/69	1250	1250	1225
DIBETOU 60cm+	1225	1225	1200
DOUKA			
70cm+15% 60/69	1200	1200	1200
SIPO			
70-79cm10%60/69 80-99cm	1725 1925	1725	1725
_		1925	1925
Sawn	Tim	ber	•
Ex Ghana £/c.ft			
[Prices include a noti	onal agent's	commissio	n and
represent prices to in			
guidelines.] *subject			•
FOB Takoradi bundl			
6"+ avg 9" C/£	3783	3844	3786
6' + avg 9' DM/£	2.99	3.07	2.87
AF.MAHOGANY EMERI	10.20 8.00	10.10 8.00	10.10 8.00
UTILE	10.90	10.90	10.90
ODUM	9.60	9.60	9.60
SAPELE	9.55	9.10	9.10
EDINAM	9.30	9.00	9.00
GUAREA	8.20	8.20	
WALNUT	8.80	8.80	8.20
		0.00	8.20 8.80
	8.70	8.80	
NIANGON OMU	8.20	8.80 8.00	8.80 8.80 8.00
NIANGON OMU DANTA	8.20 7.50	8.80 8.00 7.40	8.80 8.80 8.00 7.40
NIANGON OMU DANTA WAWA No.1 C&S	8.20 7.50 5.50	8.80 8.00 7.40 5.60	8.80 8.80 8.00 7.40 5.60
NIANGON OMU DANTA WAWA No.1 C&S	8.20 7.50	8.80 8.00 7.40	8.80 8.80 8.00 7.40
NIANGON OMU DANTA WAWA No.1 C&S MAKORE Ex Cameroon Fr.F/1	8.20 7.50 5.50 9.30 m3 FOB	8.80 8.00 7.40 5.60	8.80 8.80 8.00 7.40 5.60
NIANGON OMU DANTA WAWA No.1 C&S MAKORE Ex Cameroon Fr.F/r FAS width 6"+, length	8.20 7.50 5.50 9.30 m3 FOB th 6'+	8.80 8.00 7.40 5.60 8.60	8.80 8.80 8.00 7.40 5.60 8.60
NIANGON OMU DANTA WAWA No.1 C&S MAKORE Ex Cameroon Fr.F/1 FAS width 6"+, length	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150	8.80 8.00 7.40 5.60 8.60	8.80 8.80 7.40 5.60 8.60
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/1 FAS width 6"+, length SAPELE SIPO	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700	8.80 8.00 7.40 5.60 8.60 3100 3700	8.80 8.80 8.00 7.40 5.60 8.60
NIANGON OMU DANTA WAWA No.1 C&S MAKORE Ex Cameroon Fr.F/1 FAS width 6"+, length SAPELE SIPO BIBILO	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850	8.80 8.00 7.40 5.60 8.60 3100 3700 2850	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/1 FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850 3050	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/r FAS width 6"+, lenge SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850	8.80 8.00 7.40 5.60 8.60 3100 3700 2850	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900
NIANGON OMU DANTA WAWA No.1 C&S MAKORE Ex Cameroon Fr.F/r FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850 3050 3750 3250	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150 3700
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/r FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO EX Gabon FR.F/m3	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850 3050 3750 3250 FOB	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150 3700
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/r FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO EX Gabon FR.F/m3 FAS width 6"+, length	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850 3050 3750 3250 FOB th 6'+	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750 3250	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150 3700 3300
NIANGON OMU DANTA WAWA No.1 C&S MAKORE Ex Cameroon Fr.F/r FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO Ex Gabon FR.F/m3 FAS width 6"+, length	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850 3050 3750 3250 FOB	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150 3700
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/r FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO EX Gabon FR.F/m3 FAS width 6"+, length OKOUME AD EX Zaire Fr.F/m3 FO	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850 3050 3750 3250 FOB th 6'+ 2200	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750 3250	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150 3700 3300
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/r FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO EX Gabon FR.F/m3 FAS width 6"+, length OKOUME AD EX Zaire Fr.F/m3 FO FAS width 6"+, length	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3750 3250 FOB th 6'+ 2200 DB th 6'+	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750 3250	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150 3700 3300
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/r FAS width 6"+, length SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO EX Gabon FR.F/m3 FAS width 6"+, length OKOUME AD EX Zaire Fr.F/m3 FO FAS width 6"+, length SAPELE	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3700 2850 3050 3750 3250 FOB th 6'+ 2200 DB th 6'+ 3250	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750 3250 2200	8.80 8.80 8.00 7.40 5.60 8.60 3150 2900 3150 3700 3300
NIANGON OMU DANTA WAWA No.1 C&S MAKORE EX Cameroon Fr.F/r FAS width 6"+, lenge SAPELE SIPO BIBILO N'GOLLON AFRORMOSIA IROKO EX Gabon FR.F/m3 FAS width 6"+, lenge OKOUME AD EX Zaire Fr.F/m3 FC FAS width 6"+, lenge SAPELE SIPO MAHOGANY	8.20 7.50 5.50 9.30 m3 FOB th 6'+ 3150 3750 3250 FOB th 6'+ 2200 DB th 6'+	8.80 8.00 7.40 5.60 8.60 3100 3700 2850 3050 3750 3250	8.80 8.80 8.00 7.40 5.60 8.60 3100 3550 2900 3150 3700 3300

AFRORMOSIA

IROKO

3600

3350

3600

3350

3600

3350

	Mar	Apr.	May.
Ex Cote d'Ivoire Fr.F	7/m3		
Fr.F/£	10.00	10.28	9.63
FOB Abidjan FAS			
6"+ avg 9"-10"			
6'+ avg 10'-11'			
1"-2"			
IROKO	3250	3250	3300
SIPO	3600	3600	3500
MAHOGANY	2850	2850	2850
FRAMIRE	2150	2150	2150
SAMBA No.1 C&S	1550	1550	1550
AZOBE dim. stock		2000/	2000/
		2600	2600
OPEPE dim. stock		1850/	1850/
		2300	2450

Ex Malaysia M\$/ton						
C&F UK port M\$/£	6.10	6.29	6.20			
DARK RED SERAYA/MERANTI						
Select & better GMS						
width 6"+ avg 7"/8"						
length 8'+ avg 12'/14	.,					
1-2" KD	2700	2700	2580			
2.5" KD	2800	2800	2675			
3" KD	2900	2900	2800			
KERUING						
Standard & Better GM	1S					
1"-3"						
width: random or fixed	d					
length 16'+	1950	1875	1740			
KAPUR						
Standard & Better GM	1S					
1"-3" plnd						
width 6"+ avg 7"-8"						
length 16'+	1950	1875	1800			

Boards: 6"+ avg 8", 6'+ avg 8"						
890						
670						
Teak from Singapore and Hong Kong nearer S\$3500						
for 1" Boards, 1.5" US\$3550, 2" 3750, and US\$3850						

TEAK (Official price list basis)

Ex Braz	zil US\$/m3 C	C&F		
FAS	US\$/£	1.65	1.66	1.63
6"+ avg	g 9-10"			
6'+ avg	10-11'			
MAHO	GANY (Swi	etenia)		
1"-2" A		1180	1180	1180
2.5"-3"	AD	1200	1200	1200
1"-2" K	D	1270	1270	1270
2.5"-3"	KD	1290	1290	1290
VIROL	A			
1" KD 1	No.1 C&B			
boar	rds	400	400	400
strip	S	370	370	370
CEDR	0			
1"-1.5"	KD	750	750	730
2" KD		780	780	760
2.5"-3"	KD	810	810	790

Market Report

Hardwood

The economic crises in the Far East, and the desperate attempts of Asian governments to handle it, continue to exercise the minds of many in the UK hardwood trade. Earlier reports that Peninsular Malaysia would cancel export duties on 23 species from mid April have now come to fruition. While the aim has been to ease the financial difficulties of the Malaysian industry, there will be buyers of DRM who expect the cost savings to be passed on. The consensus view is that the impact on DRM prices will be small and will depend on the individual shipper. The reductions in export tax amount on average to little more than £0.3/cubic ft, particularly insignificant when considered against a background of uncertain exchange rates. Any reductions in price will also tend to be absorbed by increases in freight rates. An acute shortage of empty containers for export in the Asian region has forced shipping lines to increase freight charges by US\$150 per twenty foot container for Asia North Europe trade. The changes were due to take place on July 1, but many container firms have already imposed the charge.

There are reports of numerous mill closures in the Far East. A contact returning from the Far East heard reports that 80% of the mills in Sabah had closed. The Sabah government's efforts last month to revitalise the industry by withdrawing export duties and replacing with increased stumpage fees seem only to have exacerbated the situation. Increased fees coupled with depressed demand has meant that logging has more or less ground to a halt within the State. The Government is reviewing its policy and may have to backtrack.

Bankruptcies and financial disruption within the Asian logging and processing sector have restricted the volume of wood on offer. Demand also remains very limited and this continues to prevent any upward pressure on prices. North America, Taiwan and China are buying in growing volumes, but Korea, Japan and Thailand have backed away from any commitment due to depressed domestic demand. Meanwhile European buyers continue to resist the temptation to buy even at the low prices being offered and remain nervous of currency fluctuations.

Mixed signals regarding Indonesian government policy on a possible renewal of log and sawn wood exports add to the uncertainty. Its seems clear however that the Indonesian government has moved away from its "sudden shock" plans, mooted earlier in the year, to reduce taxes on log exports to 10% overnight. The Indonesian government is now proposing a progressive reduction in export duties over the next 18 months. Some observers remain sceptical and see this proposal as primarily designed to encourage the IMF to release the first tranche of the \$43billion rescue package agreed in October 1997. Industry contacts in Indonesia believe their government is unlikely to allow the export of rough

sawn timber.

It is likely to take time for prices of DRM to bounce back. Much will depend on the performance of Asian economies and their ability to regenerate demand. The long term prospects for the Malaysian economy seem reasonable, but considerable uncertainties remain over the economies of the big timber-buying Asian nations, notably Japan. The IMF believe Japan's economy will struggle to grow at all this year, despite the Japanese government's efforts to stimulate demand. In April, the Bank of Japan released its bleakest economic assessment of the year. On a more positive note, Asia's current cost position should be a highly attractive feature to foreign investors, and given reasonable confidence in new government policies on foreign ownership and control, should encourage foreign investment. Asian timber producers will also have to face up to the major challenge of stimulating new demand in European markets. A fresh dose of Asian vitality and organisation applied to the promotion of hardwoods in Europe would be a boost to a flagging

Against this background of upheaval, continuing lack of UK demand for DRM is perhaps less surprising. UK tropical sawn stocks from Asia are said to be fairly high but some topping up is occurring. There are reports that Far Eastern contracts are running late due to problems with containers, particularly in Indonesia. The general feeling is that there has been a slight increase in UK demand for DRM, but not as high as expected given the low prices on offer. Sapele prices weakened marginally as the species came under pressure from Asian alternatives. However, there is a general feeling that prices have bottomed out now reflecting confidence that Sapele will retain a stable position in the market. Manufacturers seem to have become attached to the quality advantages of Sapele over DRM and are unwilling to switch despite the Asian species' considerable price

There are reports that Framire from the Ivory Coast is selling well, benefiting particularly from the relatively high prices now being asked for Ghanaian Emeri. Power cuts in Ghana continue and are likely to remain a problem for some time despite rain which should alleviate the severe water shortage at the Akosombo dam hydro-electric power plant. Some contracts are being delayed. Zaire has put last years supply problems behind it and trade is back to normal. Prices for North American Cherry are variable and difficult to pin down, but they have strengthened recently. There is particularly strong demand for 1" Cherry for domestic business forcing an upward shift in price. There continues to be plenty of Tulipwood on offer. Maple prices have continued their downward trend. There are reports of marginal improvements in sales of

The market for teak is now small and stable, the species being used by a limited number of manufacturers selling high quality expensive products. Longer term trends have seen an increasing use of iroko and a move by garden furniture manufacturers out of the UK, particularly to the Far East. Teak is an expensive species to hold in stock and most importers have cut right back on their stockholding. Prices remain high and stable.

Prices for Brazilian mahogany are relatively high and demand consequently low. There are expectations that the Brazilian logging season will begin as usual this year with the first shipments coming in late June, and kiln dried arriving early July. Brazilian mahogany quotas are set at low levels these days, only 15,000m3 for each 6 month period, but even these volumes are likely to be irrelevant given current lack of demand. There is some hope that plummeting demand levels have bottomed out and that trade will continue at a constant level, albeit a shadow of its former self. Other observers are more sceptical about the viability of the trade as there may be insufficient demand to encourage continuing mahogany exploitation. There may also be problems of supply as the Brazilian government, intent on extending their control over the industry, have introduced a new Environmental law. Brazilian exporters are having difficulty interpreting the law as it seems to conflict directly with the 1965 Forest Code. From July, trade in Brazilian mahogany will also be subject to CITES Appendix III monitoring. These new requirements may lead to bureaucratic de-

The depreciation of Asian currencies has led to a very weak market in the UK for Latin American Cedro.

Brazilian shipments to Asia have dried up completely and many shippers rely on France to keep their export trade alive. However, French buyers who have become accustomed to Brazilian Tauari and Carupixa are looking again at low priced Dark Red Meranti from Asia and competition is said to be fierce. But the French may be reluctant to turn back to Malaysian wood after their experiences of sudden high prices of a few years ago.

Overall hardwood markets remain patchy with agents reporting little activity in March and April, the Easter vacation being offered as a convenient excuse. There is little optimism about the coming months. Margins are tight all round.

In the longer term, concerns are being expressed about the current state of the UK economy. A study by the National Institute of Economic and Social Research predicts that there is a "one in three chance" of the UK going into recession this year. The study suggests that growth in the UK economy will continue to slow during 1998 as the high pound squeezes exports and last years increase in interest rates depresses domestic demand. Economic growth is predicted at around 1.9% on average, less than the 2 to 2.5% predicted by Gordon Brown in his March budget. Longer term growth during 1999 is predicted to be around 1.6%. Output in the UK's manufacturing sector is thought to have fallen in the first 2 quarters of 1998. The main risk is that a delay in the fall of the £ could tip the

economy into recession. To avoid this, the £ will need to fall from its current level of DM3 to DM2.6. The forecast assumes that the Labour government will implement a minimum wage of £3.70 an hour, which would increase the national wage bill by 1%. The increase is expected to destroy 80,000 jobs during 1999, and 250,000 in the long term. Government borrowing will remain subdued. Another study by Oxford Economic Forecasting predicts that UK consumer spending growth will fall from 3.4% in the first quarter of 1998, to 2.2% in the 3rd and 4th quarters.

USA TEMPERATE HARDWOODS INDICATIVE PRICES (North Appalachian) US\$ CIF UK MBM KD square edged net measure after kilning

	March	<u>April</u>	May
\$/£	1.65	1.66	
RED OAK			
1"	1740	1740	1760
1.25"	1830	1830	1830
1.5"	1930	1930	1930
2"	2100	2100	2100
WHITE OAI	K		
1"	1710	1710	1710
1.25"	1825	1825	1825
1.5"	2155	2155	2155
2"	2780	2780	2780
ASH			
1"	1300	1265	1250
2"	1630	1580	1580
TULIPWOO	D		
1"	1080	1080	1080
1.25"	1130	1130	1130
1.5"	1170	1170	1170
2"	1250	1250	1250
CHERRY			
1"	2940	2940	3300
1.25"	3000	3000	3370
1.5"	3190	3190	3500
2"	3475	3475	3600
HARD MAP	LE		
1"	2285	2140	2140
1.25"	2475	2275	2275
1.5"	2530	2410	2395
2"	2580	2545	2515
_			2010

New Market Study

The International Trade Centre has produced a study entitled "Secondary-processed Wood Products: An Overview of major markets 1996-1997". Copies are available from J.L. Albaladejo, Senior Market Development Officer, Market Development Section for Manufactured Products, International Trade Centre, UNCTAD/WTO, Palais des Nations, CH-1211 Geneve 10, Suisse. Tel: (41-22) 7300111, Fax: (41-22)7334439, email itcreg@ intracen.org

Plywood

Confidence in the plywood trade seems to be improving after a period of considerable uncertainty caused primarily by on-going difficulties in Indonesia. Asian plywood prices appear to have bottomed out and stabilised. Malaysian plywood prices have recovered slightly with business in Europe at around INDO96 less 25%. Asking prices for Indonesian plywood now stand at around INDO96 less 26/27. China and America are buying in increasing volumes, and purchases are being made by Japan and Korea. Production levels have also been falling and this has contributed to the firming trend. Most of the mills in Sarawak are reportedly operating at 50% capacity and have enough forward contracts to ensure firming prices.

Volumes of Malaysian plywood are now being purchased in the UK but the return for mills is very low. Falling production has meant that significant shipments to the UK won't be made before July. UK stocks are low and there are domestic shortages of certain specifications, putting further upward pressure on prices. This will encourage importers who will see an increase in the value of existing stocks.

However, uncertainty over Indonesia's ability to cope with growing financial difficulties and social unrest, and its willingness or otherwise to comply with IMF inspired measures, continues to cast a dark cloud over the plywood trade. Due to lack of effective bankruptcy procedures in Indonesia, mills continue to produce at lower volumes, despite many being technically bankrupt. Indonesian plywood mills will be having difficulty coping with high interest rates, assuming they can find a bank to lend at all. None of Indonesia's banks are now considered internationally as credit worthy so mills will have difficulty securing letters of credit through local banks. Because individual Indonesian plywood mills are seeking business in the Europe, some suppliers may be unfamiliar with grade expectations of buyers and there could be problems over quality. In the longer term, IMF-inspired plans to phase out export duties on logs would also mean that the best logs go for export and a tendency towards declining plywood quality. Considerable restructuring of Indonesia's plywood industry would also occur as plywood mills saw major price hikes for domestic logs.

Indonesian uncertainty and low Asian prices have taken their toll on the plywood trade in other parts of the world. Brazilian hardwood ply, even at prices quoted as low as K14 less 22% is unable to compete and is effectively off the market. Looking to the future, Brazil has an election in October which, if President Cardoso is defeated, may mean an end to the governments monetary policy, including the Real Plan which keeps inflation down by artificially pegging the real exchange rate against the dollar.

Ghana exports

Unlike other African countries, Ghana gained little from increasing Asian demand for logs during the early part of 1997 because forest production is now entirely set aside for local processing. The impact of the Ghanaian government's drive to increase value added industry is apparent from the figures. Exports of secondary processed products including furniture, plywood and mouldings had a higher rate of growth during 1997 than other exports. Europe remains the main market for Ghanaian forest products, although Saudi Arabia has also been significant over the last 2 years. Wawa was the main export species in terms of volume, increasing volumes being kiln dried prior to export. Exports of iroko, both air dried and kiln dried, also increased between 1996 and 1997. Ghana's plywood exports, which had been as low as 3,600m3 in 1995, increased rapidly to 25,500m3 in 1997, but will have been hit hard during 1998 by the recent turmoil in the Asian plywood market.

GHANA PRODUCT EXPORTS				
m3	1996	1997		
lumber (air dried)	140297	142392		
lumber (kiln dried)	84919	127398		
boules	35772	47457		
rotary veneer	25524	34458		
sliced veneer	27882	30862		
plywood	18888	25550		
proc. lumber/mouldings	9610	12984		
flooring	3413	3608		
furniture parts	1472	3015		
other products TOTAL	16992 364769	10314 442078		

Source ATIBT

	GHANA PRODUCT EXPORTS BY SPECIES (Source ATIBT) <u>AIR DRIED LUMBER</u> <u>KILN DRIED LUMBER</u> <u>MOULDINGS</u>					
m3	1996	1997	1996	1997	1996	<u>1997</u>
Odum	26974	39775	3778	8288	892	734
Wawa	48930	27478	69303	101594	6831	9781
Mahogany	16096	19157	494	2123	120	164
Ofram	6285	12569	662	1914	55	147
Teak	3093	4960				
Emire	3335	4675	9	952		
Edinam	4506	4401				
Niangon	3459	3684				
Papao/Apa	1725	3413				
Sapele	2602	2977	348	883		
Cedrella	1792	2717				
Koto/Kyere			6611	6827	515	711
Asanfina			802	1066		
Kusia					183	373
Albizia					493	252
Dahoma					129	236
Other	21500	16586	2912	3751	586	586
TOTAL	140297	142392	84919	127398	9610	12984

GH	GHANA PRODUCT EXPORTS BY DESTINATION (Source ATIBT) AIR DRIED LUMBER KILN DRIED LUMBER MOULDINGS					
m3	1996	1997	1996	1997	1996	1997
Saudi Arabia	18548	18936	189	4961	1770	1557
Germany	28454	18667	9859	23170	4577	4363
Netherlands	12154	13394	2512	3646	526	896
Italy	9808	16587	3186			3313
Ireland	12115	13227	3662	5757	101	458
USA	11570	12174				283
France	8400	8935	13946	24185	2362	4230
UK	10465	8314	14678	14537	1577	1623
Spain	8714	5855				
Morocco	458	3822				
Taiwan			15336	14475		
Hong Kong			8122	14041		
South Africa			3831	6625		
Finland					52	615
Japan					67	228

UK Imports

Statistics are based on official figures of HM Customs and Excise. We try to amend anomalies, but it is not always possible to identify them. The imports of tropical wood apparently coming from continental Europe may include goods transhipped through a continental port. Boules and forms of square edged stock may be included under 'logs'. Where species are shown as coming from a source where it is known they do not occur, then it is assumed that the wood is wrongly identified and it is classified under "others" for that country. Major inconsistencies between volumes, weights and values are reconciled by estimates based on previous performance and marked 'E'.

From countries outside the E.C.

UK IMPORTS SAWN TROPICAL
Classifications: 440724.90.0, 440725.60.0,
440725.80.0, 440726.70.0, 440726.80.0,
440729.61.0, 440729.69.0, 440729.99.0,
440799 98 0

		7.99.0,
Total 1997	<u>Jan.</u> 1998	Feb. 1998
1204	260	2.4
		34
	1306	444
•	20	
		1150
	1908	1153
		1.2
		13
		74
		3002
	201	468
	40.5	215
		217
	1232	1610
	1006	2515
	4226	3517
		11
	20	1.0
	20	19
	0.1	4.4
		44
	147	64
	_	
	2	63
356	20	60
45.40	30	
	10170	10700
183066	12179	10793
	40799.98. Total 1997 1284 20388 4 817 30675 114 34 50 90 173 151 2975 26647 9182 33 110 110 5143 16019 30 58765 25 32 988 84 292 1524 2094 57 215 356 4549 56	1997 1998 1284 360 20388 1306 4 817 30 30675 1908 114 34 50 90 173 151 2975 26647 2221 9182 201 33 110 110 5143 405 16019 1232 30 58765 4226 25 32 988 20 84 292 1524 91 2094 147 57 215 2 356 30 4549

UK IMF	UK IMPORTS SLEEPERS				
Trea	ted & Un	treated			
Classifications:	440610.0	0.0, 4406	590.00.0		
m3	Total	Jan.	Feb.		
	1997	1997	1998		
AUSTRALIA	$\overline{1075}8$	1013	105		
ESTONIA	11				
POLAND	65				
RUSSIA	50				
S. AFRICA	98				
SLOVAKIA	338				
SLOVENIA	44				
TOTAL	11364	1013	105		

UK IMPORTS LOGS TROPICAL Classifications: 440341.00.0, 440349.10.0, 440349.20.0, 440349.30.0, 440349.40.0, 440349.50.0, 440349.60.0, 440349.70.0, 440349.90.0, 440399.99.0

m3	<u>Total</u>	Jan.	Feb.
	<u> 1997</u>	<u> 1998</u>	<u> 1998</u>
BRAZIL	72		
BURMA	89	30	
C.A.R	155		
CAMEROON	14936	3117	2214
CONGO	46	135	
ECUADOR		27	
EQ. GUINEA	565		
FIJI	10		
GABON	6173	327	752
INDONESIA	81		
IVORY COAST	16		
MALAYSIA	540	33	62
MOZAMBIQUE		24	
NIGERIA	675		83
PANAMA	29		
PAPUA N.G.	355	87	
PARAGUAY	33		
SIERRA LEONE	4		
SINGAPORE	126	29	24
SOL. ISLANDS	16		
TANZANIA	17		10
VANUATU	101		
ZAIRE	27		
TOTAL	24066	3809	3145

UK IMPORTS LOGS TEMPERATE HARDWOOD Classifications: 440391.00.0, 440392.00.0, 440399.10.0, 440399.20.0, 440399.30.0,

440399.50.0, 440399.99.0				
m3	Total 1997	<u>Jan.</u> 1998	<u>Feb.</u> 1998	
BEECH				
CANADA	10			
CZECH REP.	15			
ROMANIA	594	19	42	
<u>BIRCH</u>				
CANADA	395		10	
ESTONIA	19493	1792	733	
LATVIA	14812	188	94	
LITHUANIA			34	
POLAND	108	68	84	
RUSSIA	1806	44	178	
<u>EUCALYPTUS</u>				
AUSTRALIA	15			
<u>OAK</u>				
RUSSIA	504	103		
<u>POPLAR</u>				
CANADA	80			
USA	137			
OTHERS				
AUSTRALIA	11	32	9	
CANADA	3149	123	214	
ESTONIA	7245	1302	4805	
ISRAEL	29		40.50	
LATVIA	3871	1.45	13536	
LITHUANIA	350	147		
NORWAY	430	172		
PANAMA	29			
PARAGUAY	40	22	70	
POLAND	139	23	70	
RUSSIA	7905		1161	
S. AFRICA	256	012	1662	
USA	8920 70343	912 4925	1663	
TOTAL	/0343	4923	22633	

UK IMPORTS SAWN TEMPERATE Classifications:440791.90.0, 440792.90.0, 440799.91.0, 440799.93.0, 440799.98.0

m3	<u>Cum</u> 1997	<u>Jan</u> 1998	<u>Feb</u> 1998
BEECH	440		0.4
CANADA CZECH REP.	448 26		84
POLAND	150	26	
ROMANIA	1860	197	
RUSSIA	56		55
SERB. & MONT.	194	34	
SLOVAKIA	99	2	
UKRAINE	79	20	20
USA OAK	423	30	28
CANADA	4173	253	544
CZECH REP.	43	233	8
HUNGARY	2		
LATVIA	180		
RUSSIA	380		92
SERB. & MONT.	25	22	
SLOVAKIA	78		13
TURKEY UKRAINE	20 137		172
USA	58361	5372	5211
POPLAR	30301	3312	3211
CANADA	232	65	28
LATVIA	38		
LITHUANIA	93		
USA	7469	571	697
WALNUT			2
CANADA TURKEY	62		2
USA	554	126	112
OTHERS	J J T	120	112
AUSTRALIA	3301	218	17
CANADA	19928	800	1043
CHILE	629		104
CHINA	191		
ESTONIA	9869	950	854
LATVIA LITHUANIA	10416 1766	2077	6230 69
N. ZEALAND	20		09
NORWAY	1106	84	
PARAGUAY	29		
POLAND	341		
RUSSIA	25457	307	62
S. AFRICA	628	40	20
SWITZERLND	22		
TURKEY UKRAINE	E8 18		
URUGUAY	25		
USA	45989	4088	3192
TOTAL	194925	15262	18637

UK IMPORTS BLOCKBOARD, LAMINBOARD, BATTENBOARD Classifications: 441222.91.0, 441229.20.0, 441292.91.0, 441299.20.0

441292.91.0, 441299.20.0				
m3	<u>Total</u>	<u>Jan.</u>	Feb.	
	<u> 1997</u>	<u> 1998</u>	1998	
BRAZIL	4774	234	196	
CHINA	171		64	
CZECH REP.	220		40	
INDONESIA	25132	2428	1507	
LATVIA	340			
LITHUANIA	492	40	14	
MALAYSIA	86	21	165	
NORWAY		35		
POLAND	313			
SINGAPORE	42			
USA			3	
TOTAL	31570	2758	1989	

UK IMPORTS PLYWOOD & OTHER LAMINATED BOARD

Classifications: 441213.11.0, 441213.19.0, 441213.90.0, 441214.00.0, 441219.00.0, 441222.99.0, 441222.99.0, 441299.80.0

	11277.00.	<u> </u>	
m3	<u>Total</u> 1997	<u>Jan.</u> 1998	<u>Feb.</u> 1998
BELARUS	$\frac{1997}{2736}$	1770	1770
BRAZIL	141819	15068	7495
CANADA	60394	10786	13073
CHILE	1291	98	344
CHINA	5235	458	99
ESTONIA	5228	460	535
GABON	78		
GHANA	1932	26	84
GUYANA	6800	758	564
HUNGARY	142		
INDIA	249		
INDONESIA	216368	10649	9892
ISRAEL	1956	146	126
JAPAN	26	37	
LATVIA	28048	3026	3821
LITHUANIA	11214	877	1006
MALAYSIA	68672	9241	6187
MOROCCO	942	61	89
NORWAY	2726	301	223
PHILIPPINES	20	38	
POLAND	895	108	378
RUSSIA	80331	8177	5651
SINGAPORE	2722	19	
SLOVENIA	251	29	78
SWITZERLAND	25	97	223
TAIWAN			7
USA	257706		
TOTAL	897806	163236	92675

UK IMPORTS VENEERS

Classifications: 440831.11.0, 440831.21.0, 440831.25.0, 440831.30.0, 440839.11.0, 440839.21.0, 440839.25.0, 440839.31.0, 440839.35.0, 440839.51.0, 440839.65.0, 440839.81.0, 440839.91.0, 440839.91.0, 440839.91.0, 440890.89.0

4	440890.89.0				
m3	<u>Total</u> 1997	<u>Jan.</u> 1998	<u>Feb.</u> 1998		
AUSTRALIA	$\frac{2}{2}$	2	1,,,0		
BRAZIL	45	13			
CAMEROON	144		11		
CANADA	1442	70	137		
CONGO	25	26			
DOM. REP	25				
ECUADOR	1				
G'MALA	6				
GHANA	6319	253	221		
HONG KONG	1				
HUNGARY	43		32		
INDIA	20				
INDONESIA	223	56	68		
IVORY COAST	445		32		
LATVIA	1977		29		
MALAYSIA	284	51			
NIGERIA	54				
RUSSIA	427				
S. AFRICA	2322	140	155		
SINGAPORE	124				
SLOVENIA	660		64		
SWITZERLAND		4	26		
THAILAND	449	120	30		
TURKEY	3	1104	700		
USA	9843	1184	782		
ZAIRE	2420	207	15		
TOTAL	27589	2126	1602		

Based on Abacus Data Services

UK imports from within the E.C.

HM Customs & Excise data for trade within the E.U is subject to delay. Because of new methods of statistical collection returns remain incomplete. Statistics are recorded as received and may be corrected subsequently (C).

INTRA E.C. UK IMPORTS HARDWOOD LOGS Classifications: 440341.00.0, 440349.10.0, 440349.20.0, 440349.30.0, 440349.40.0, 440349.50.0, 440349.60.0, 440349.70.0,

440349.90.0, 440399.99.0				
m3	<u>Dec.</u> 1997	<u>Total</u> 1997	<u>Jan.</u> 1998	
BEECH	1771	<u> </u>	1,,,,	
DENMARK	108	1616		
FINLAND		488		
FRANCE		1890		
GERMANY	7	9999		
IRELAND		2		
NETHERLANDS		52		
SWEDEN	50	713	21	
BIRCH				
FINLAND	177	406		
<u>OAK</u>				
FRANCE		1939		
GERMANY		112		
IRELAND		19		
ITALY		20		
<u>OTHERS</u>				
BELGIUM		344		
DENMARK		187		
FINLAND		2435		
	55	705		
	36	2904		
	41	739	12	
NETHERLANDS	34	287		
SPAIN		1239		
SWEDEN		C2481		
TOTAL	508	28577	33	

INTRA E.C. UK IMPORTS PLYWOOD Classifications: 441213.11.0, 441213.19.0, 441213.90.0, 441214.00.0, 441219.00.0, 441222.99.0, 441229.80.0, 441292.99.0, 441299.80.0

m3	Dec.	<u>Total</u>	Jan.
	1997	1997	1998
AUSTRIA		143	
BELGIUM	186	C10697	623
DENMARK	132	1017	90
FINLAND	5294	C74554	4158
FRANCE	856	C32690	1660
GERMANY	554	C7233	473
IRELAND	49	C5828	165
ITALY	553	8581	755
NETHERLANDS	102	C2055	113
PORTUGAL		C3	
SPAIN	87	4973	643
SWEDEN	692	C8812	208
TOTAL	8505	156586	8888

INTRA E.C. UK IMPORTS BLOCKBOARD, LAMINBOARD, BATTENBOARD Classifications: 441222.91.0, 441229.20.0, 441292.91.0, 441299.20.0

441292.	441292.91.0, 441299.20.0				
m3	Dec.	<u>Total</u>	Jan.		
	<u>1997</u>	<u>1997</u>	1998		
BELGIUM		94			
DENMARK	72	414	47		
FINLAND	393	4066	176		
IRELAND	1	59	7		
ITALY		28			
NETHERLANDS	206	1262	79		
SPAIN		5			
SWEDEN	163	302			
TOTAL	835	6230	309		

INTRA E.C. UK IMPORTS SAWN HARDWOOD

Classifications: 440724.90.0, 440725.60.0, 440725.80.0, 440726.70.0, 440726.80.0, 440729.61.0, 440729.69.0, 440729.99.0, 440799.98.0

10////./0.0		
Dec.	Total	Jan.
<u>1997</u>	<u> 1997</u>	1998
32	1270	125
805	C11271	227
	C782	133
3108	36806	2540
	37	
11	38	
	30	
	33	
	108	
	350	
	478	
459	C4715	321
		117
	65	
51		1
	C60	
	-	
		1205
-		167
		283
		1018
		340
120		105
863		64
		206
		2121
8046	131141	8973
	1997 32 805 3108	1997 1997 32 1270 805 C11271 C782 3108 36806 37 11 38 30 33 108 350 478 459 C4715 527 65 51 1041 C60 8 170 C3250 123 3181 224 15282 190 1644 459 C4847 120 C1393 24 863 13243 5187 779 1276 24692

INTRA E.C. UK IMPORTS VENEERS

Classifications: 440831.11.0, 440831.21.0, 440831.25.0, 440831.30.0, 440839.11.0, 440839.21.0, 440839.25.0, 440839.31.0, 440839.35.0, 440839.51.0, 440839.65.0, 440839.81.0, 440839.89.0, 440839.91.0, 440839.99.0, 440889.81.0,

440890.89.0			
m3	Dec.	<u>Total</u>	Jan.
	<u>1997</u>	<u>1997</u>	1998
AUSTRIA		62	
BELGIUM	114	C2361	122
DENMARK	6	C599	109
FINLAND	7	265	44
FRANCE	78	C1734	164
GERMANY	105	C2466	168
IRELAND	2	C127	3
ITALY	28	C329	25
NETHERLANDS	2	C409	29
PORTUGAL	13	44	
SPAIN	7	C79	
SWEDEN		C19	23
TOTAL	362	C8494	687

INTRA E.C. UK IMPORTS						
SLEEPERS TREATED & UNTREATED						
Classifications: 440610.00.0, 440690.00.0						
m3	Dec.	<u>Total</u>	Jan.			
	<u>1997</u>	<u>1997</u>	1998			
FINLAND		53				
FRANCE		2609	133			
ITALY		6				
NETHERLANDS		40				
SWEDEN	2284	C10188				
TOTAL	2284	12896	133			

Based on Abacus Data Services

News from Brazil

New Protected Areas

The Brazilian President has announced plans to create 25 million hectares of new protected areas in the Amazon rainforest by the year 2000. The area is equivalent to 5.6% of Brazil's total forest area of 441 million hectares. Four protected areas covering nearly 600,000 hectares are being created immediately, two in the Amazon region and two in the Atlantic forest. Brazil's Atlantic cost is host to one of the most threatened forest areas in the world. Today, only 7% of the original Atlantic forest remains.

In making this pledge, the Brazilian government is apparently endorsing a joint WWF/World Bank initiative that aims to establish 50 million hectares of new totally protected forest areas. Half of the international goal of 50 million hectares will be accomplished in Brazil. The cost of establishing Brazil's new protected areas will be between US\$84million and US\$156.5 million over a 5 to 10 year period. Funding is being provided through the World Bank, the Global Environment Facility, the Brazilian Government, and the Rainforest Trust Fund. The joint WWF/World Bank initiative also aims to bring 200 million hectares of production forests under independent certification by the year 2005.

According to the WWF, Brazil is not alone in endorsing their initiative. The WWF lists 22 countries, including Canada, China, Australia, Bolivia, and New Zealand, that are developing similar strategies to totally protect at least 10% of each natural forest type within their national borders. It is worth noting that most national governments are already developing integrated strategies to protect bio-diversity under the terms of the International Convention on Biological Diversity agreed at the Rio "Earth Summit" in 1993. The WWF/World Initiative seems to be designed to support the Convention by promoting awareness of bio-diversity issues and raising funds for forest protection.

An additional 25 million hectares of totally protected forest area in Brazil will triple the area under total protection according to IUCN's categories I and II. This area currently stands at 12.9 million hectares. IUCN categories I and II include only scientific reserves, strict nature reserves, and National Parks designed to protect natural and scenic areas. In addition to these reserves, Brazil has already established 371 Indian Reserves making up more than 100 million hectares, and 13 million hectares of National Forests. There are also reports of a recent presidential decree to turn another 2 million hectares over to National forests. National forests are managed by IBAMA on behalf of the Brazilian public and have been used primarily for pilot projects designed to develop sustainable forest management systems.

The WWF publicity surrounding their joint ini-

tiative with the World Bank notes that "currently only 3.49% of the Brazilian Amazon is strictly protected". However, they omit to mention Brazil's vast tracts of indigenous land and the extensive areas of National Forest.

Brazilian Mahogany

Brazilian mahogany continues to pre-occupy the UK hardwood industry, despite the low volumes now being traded. Environmentalist campaigns levelled against the species continue unabated, most recently focusing on Ministry of Defence use of the species to refurbish the interiors of warships. Following lobbying by Friends of the Earth, the MoD are likely to cease buying the species. The MoD were sympathetic to the views of the Timber Trade Federation, who attempted to persuade them to reconsider. However MoD's desire to avoid negative publicity outweighed trade objections.

The Brazilian government is evidently hoping that their publicity problems over Brazilian mahogany will be dispelled by an inter-governmental meeting arranged in June under the auspices of the Amazon Co-operation Treaty. An international working group has been established to consider the development of a "Blueprint for the Sustainable Development of Swietenia". The UK delegation is being led by DETR(Environment) with input from DIFD(Overseas Development). Trade and environmental groups are invited to attend as observers but should be accredited by the UN. Brazil is also taking steps to further regulate trade. Brazil has now joined other South American countries in listing Brazilian mahogany under CITES Appendix III. CITES Appendix III includes species which an individual country has placed under domestic controls to prevent over-exploitation and which requires the co-operation of other countries for effective trade monitoring. Unlike CITES Appendix I and II, listing on Appendix III does not require a vote by the parties to the Convention and listings may be made unilaterally. Trade in listed species requires an export permit from the country that placed the species on Appendix III or a certificate of origin from other range states of the species. An import permit is also required from the

Meanwhile, the UK's Timber Trade Federation is working with the Soil Association on the development of a "log tracking" project for Brazilian mahogany. The aim of the project is to trace IBAMA's documentation trail for a number of Brazilian mahogany shipments back from port of export to forest of origin. By doing so, the project should identify opportunities that may or may not exist for illegal logs to infiltrate UK supply lines. Environmental organisations have been consulted during the

development of the project and have given it their tentative support. The project is due to be undertaken during the next logging season, starting in June, by independent consultants employed by the Soil Association. However the project will only go ahead with the full support of IBAMA.

TTF and Soil Association representatives visited Brazil at the end of April in an attempt to obtain the backing of the Brazilian authorities. A TTF spokesman informed Tropical Timbers that IBAMA are unwilling to make a firm decision until after the Swietenia Working Group meeting in June. IBAMA seem inclined to take the view that Brazil's Appendix III listing of Swietenia, together with the new working group, are sufficient measures to handle the issue. This will disappoint importers that are looking to the project to satisfy environmentalist demands for an effective trade response to their long running anti-mahogany campaigns. UK importers are in the firing-line and will bare the brunt of direct environmentalist action if the project doesn't go ahead.

Amazonia 2000

A Conference on Amazonia 2000, Development, Environ*ment and Geopolitics* is to be held 24-26 June at the Institute of Latin American Studies at the University of London. The fee is £250 for attendance on all 3 days of the Conference. It includes talks on commercial exploitation in the Amazon, including timber extraction; monitoring deforestation; agro-forestry; forests and the global carbon cycle; and environment and development policy in the region. The event is sponsored by the Brazilian Embassy in London and the World Bank amongst others. Further details can be obtained from Seminar Secretary, ILAS, 31 Tavistock Square, London WC1H9HA.

Shipping News

Container shipping lines are reporting rapid growth in commercial traffic from Asia to the United States and Europe as importers take advantage of depreciated Asian currencies. Maersk, the Danish shipping company, has reported a 25% increase in containers from Asia than the same period last year. The traffic however is very one-sided, creating difficulties for shipping companies that are struggling to find cargoes to carry on the return journey. The container lines have raised freight rates on containers from Asia in order to offset the costs of running ships half full the other way. Price increases of \$100 a box announced on 1 January this year have been followed up with further increases. Companies under the umbrella of the Far Eastern Freight Conference agreed to implement a rate restoration of US\$150 per 20 foot container, and US\$300 per 40 foot container for Asia-North Europe trade beginning 1 July. Most shipping lines have apparently already increased the charge before the recommended implementation

West African trade specialist OT Africa Line (OTAL) has formed a new partnership with European groupage and forwarding specialist Ecu Line, based in Antwerp. Ecu Line provides computer links to over 250 ports in 44 countries. Services include cargo tracking and tracing, managing customers consolidation, storage and warehousing facilities. OTAL have also appointed an IT director with a view to developing inter-active on-line services and automated customer cargo tracking facilities.

FSC Shorts

Moves are afoot to "recertify" the Perum Perhutani plantations on the Indonesian Island of Java. All 2.8 million hectares of these plantations were originally certified by the Rainforest Alliance in 1990 for a period of 5 years. Smartwood, a certifier accredited by the FSC, is now conducting fieldwork which may result in re-certification of specific forest management districts. Perum Perhutani is regarded as a good candidate for FSC certification because it already has a strong "social orientation". The Perum Perhutani plantations are established through a taungya agroforestry system, focusing on reforestation with teak and mahogany. It is uncertain whether this certification has any links with the Indonesian national certification programme, which aims to be operational by 2000.

The two U.S. based FSC-accredited certifiers, SmartWood and Scientific Certification Systems, have announced their intention to implement a voluntary temporary moratorium on FSC-endorsed certification of federal lands in the U.S during the remainder of 1998. They have voluntarily adopted the moratorium in order to ensure that all "concerned partieshave the time to explore the implications of certification on federal forest lands."

Tiger Economics

Optimism over Malaysian recovery

The response of Indonesia and Malaysia to the Asian financial crises are in stark contrast. The IMF has praised Malaysia's response to the Asian financial crises, and said that recent reforms should lay the basis for a return to rapid growth. An IMF review of the Malaysian economy, produced at the end of April, notes that Malaysia's relatively strong initial conditions allowed it to avoid the most severe effects of the regional crises. Malaysia's long standing prudent approach to external exposure, its relatively well developed regulatory structure for the finance system, and a strengthening of the fiscal position, has meant the Malaysian economy was less vulnerable than other countries in the region.

However, Malaysia's economy have come under considerable pressure during the latter half of 1997 and early 1998. Growth has slowed, financial and foreign exchange markets have been volatile around a generally declining trend, capital investment has declined, and the domestic banking system has come under stress. While contagion from the regional crises has clearly contributed to this trend, the IMF believes that sustained rapid money and credit growth was also a contributing factor.

Malaysia has responded well to the crises. The government has sought to slow credit growth, deferred large infrastructure projects, and fiscal restraint remains a cornerstone of the Malaysian economy. These measures have not yet been sufficient to restore confidence, mainly because markets remain to be convinced of their comprehensive character and consistency. However further economic measures announced on March 25, which build on previous initiatives, should create greater confidence. The centrepiece of these measures is a series of pre-emptive actions to further strengthen the financial sector, linked with measures to tighten monetary policy and improve corporate governance. IMF have stressed the need for the Malaysian Government to avoid bailouts of troubled corporations. They are also encouraging the Malaysian government to scale back price controls so that they apply only to basic food products consumed by the poorest house-

The Malaysian ringgit depreciated by 44% and the stock market fell by almost 50%

between mid-1997 and January 1998. Since then the ringgit has strengthened by about 20% and the stock market has recovered by 9%. GDP growth has slowed to around 7.8% last year from 8.6% in 1996 and 9.5% in 1995.

Meanwhile the Indonesian economic situation remains bleak. The Indonesian authorities own analysis of the situation produced on 10 April does nothing to dispel the gloom: "the economic situation has deteriorated since the beginning of 1998. The depreciation of the rupiah in recent months combined with a severe drought has resulted in a large increase in prices, with the consumer price index rising by 6.9 percent in January and 12.7 percent in February before slowing to 5.5 percent in March. Because of the drought, food prices have risen particularly sharply during the first quarter of the year. The financial position of the domestic banking system has dramatically deteriorated, as the crisis in the economy has deepened.....foreign banks have cut trade and other credit lines to Indonesian banks, and enterprises are having difficulty in obtaining the imported inputs needed for production."

Bad debts

Large Indonesian groups involved in the forestry sector are seeking to come to grips with major debt crises by selling off foreign assets and negotiating loan repayments. Many groups are facing financial difficulties because they have large short term debts in dollars and their domestic sales cannot generate sufficient rupiahs to repay them. The Financial Times reports that Barito Pacific, the major timber and pulp producer, has been forced to negotiate with its lenders to enable the roll-over of part of a \$363.5 million bridging loan that has now come due. Barito borrowed money last year to finance a \$991 million pulp mill. Barito have said they are not planning on delaying construction of the plant despite a major fall in domestic demand for Indonesian pulp. Pulp remains a major export earner for Indonesia. In the long turn however, Indonesian pulp exporters may benefit from the crises being well placed to take advantage of declining local wage costs. Even before the crises, Indonesia was one of the lowest cost pulp producers in the world.

Indonesian fires

The East Kalimantan authorities in Indonesia have stated that the majority of the fires, around 70%, affecting the province are now extinguished. The number of hot spots in the province had been reduced from 360 to 13. This was partly due to heavy rainfalls at the end of April and partly because there was nothing left to burn.

While the worst seems to be over, there continue to be fears throughout South East Asia of a repetition during Indonesia's dry season later this year. A UN report has warned that the fires could be even worse this year. If so, there must be concern that Indonesia's economic problems will limit their response.

At a meeting in Geneva in April, the United Nations said the Indonesian forest fires threatened to become a global disaster. The UN have agreed on an action program to provide equipment and training for 1000 local fire fighters.

In the longer term a broader approach to preventing forest fires will need to be adopted. A report issued by the Los Angeles Times Syndicate has pointed to the need for social policies that include awareness campaigns for farmers with small holdings. For centuries, Indonesia's small farmers have used slash-and-burn techniques to clear their land at the end of each harvest season. There is a widespread belief that these methods enrich the soil and make the land more fertile for the next season.

There will also be a need for tougher regulation of plantation firms. The UN have stressed to the Indonesian authorities to

urgently identify and expose guilty firms to tackle one of the major causes of the problem. According to Financial Times report on 22 April, Klaus Topfer, Executive Director of the UN's Environment Programme, said publication of a company "blacklist" could form part of the action programme to prevent fires in the future. The Financial Times report will disappoint those involved in the Indonesian trade as it referred to a blacklist of "logging" firms, without reference to oil palm plantation companies that use fire to clear forest.

The European Parliament has also taken an interest, adopting an urgent resolution on the fires at the end of April. They placed the blame on the oil palm plantation companies and on the Indonesian Government's development and resettlement projects. Particular reference was made to the Indonesian Government's Mega-Rice project. This is aimed at reclaiming approximately 1.5 million hectares of tropical peat-swamp forest for rice cultivation. Fires have been used as the cheapest way of clearing forest land.

According to a study by the WWF and the Economy and Environmental Programme for Southeast Asia, the haze from the fires last year caused more than US\$1 billion in damage to the region's health, industry and tourism. Malaysia suffered US\$300 million in damage, mainly in lost industrial production and a drop in tourism. Singapore, the other heavily affected country, lost more than US\$360 million. Around 200,000 hectares of forest have been affected.

Carbon dioxide and tropical forests

Costa Rica has launched a program to raise money for forest conservation by selling companies allowances to emit carbon dioxide. The country has established environmental bonds called Certified Tradable Offsets, with each corresponding to one ton of carbon to be absorbed by the trees. The Credits are designed to be bought by companies in the developed world that are creating excess carbon dioxide through the burning of fossil fuels. Buying the credits would provide industrialised nations with a method of meeting emissions reduction goals set out in the global climate change agreement

reached in Kyoto in Japan at the end of 1997. This is the first scheme to have been implemented in accordance with guidelines developed under the agreement.

The Costa Rican government claims the project could raise over \$300 million. This money will be used by the state to purchase rainforest land in Costa Rica, much of which is currently in private ownership. SGS, the Swiss certification company, were asked to verify the details of the plan and have confirmed that it could remove more than 1 million tons of carbon from the atmosphere.

European parliament

MEP's and members of various national parliaments are working together to "promote better environmental policies". GLOBE-EU is an all party association of 96 members of the European Parliament. The GLOBE Europe Network includes 198

members of national parliaments from throughout Europe. More information available from Nicolas Tavitian, GLOBE EU, (322) 230 6589 Fax: (322) 230 9530. E-mail ntavitian@arcadis.be.

Publications

The second edition of the "Directory of selected tropical forestry journals and newsletters" has been published by the FAO Regional Office for Asia and the Pacific. The 130 page Directory contains information on 449 publications and a useful list of internet contacts. More is available from: FAO Regional Office for Asia and the Pacific, 39 Phra Atit Road, Bangkok, 10200 Thailand, Fax: 66 2 280 0445

A Ghana country study has been prepared by the Ministry of Lands in co-ordination with the UK International Institute of Environment and Development (IIED) under the title "Falling into Place". It has been compiled by leading players in forestry related matters in Ghana including Johnny François, who was for a long time until his retirement, Chief Conservator. The 138 page book has an introduction by E. Kofi Smith, Technical Director, Ministry of Lands and Forestry, Accra. Copies can be obtained from IIED, 3 Endsleigh Street, London WC1H ODD, United Kingdom, Fax: (44) (0) 171 388 2826 or Faculty of Law, University of Ghana, PO Box 70, Legon, Ghana; Fax (233) 21 502 385.

BRE have published a review entitled "429 Timbers: their natural durability and resistance to preservative treatment" providing guidance on species selection on the basis of natural durability or their amenity to preservative treatment. The review explains the classification of durability and treatability for timber and classifies these properties for more than 150 species. More: Tel: (44) (0) 171 505 6622, Fax: (44) (0) 171 505 6606, email crc@construct.emap.co.uk

Exhibitions

The UK's biennial WoodMex Exhibition for the woodworking and sawmilling industries is to be held at the NEC in Birmingham between 15 and 18 November 1998. Further details are available from Woodmex 98, PO Box 106, Coventry CV7 9EA, Tel: 01203 644200, Fax: 01203 644911.

ASFI 98, the Exhibition of the Association of Suppliers to the Furniture Industry, will also be taking place at the NEC between 15 and 18 November. Latest information on the show, including a copy of their Trade Talk brochure, can be obtained from ASFI on 01905 25565, PO Box 302, Worcester WR3 8YR.

Around Europe....____

European Governments Back Wood Promotion

European Governments are about to endorse the environmental benefits of sustainably managed wood over competing materials. They are also about to publicly announce their willingness to support the promotion of wood products against its competitors.

Two Inter-governmental Resolutions are due to be signed by European Forest Ministers at the Third Ministerial Conference on the Protection of Forests in Europe to be held in Lisbon on 2-4 June. The statements referring to wood products form part of the first Resolution entitled "People, forests and forestry" which covers a broad range of issues relating to the forestry sector's relationship with the public. The relevant statements are as follows:

".... The use of wood and other forest products and services, from sustainable managed forests, should be actively promoted as a means for improving the economic viability of forest management, taking advantage ofnew market opportunities.....Signatory states and the European Community commit themselves:....to encourage comparative studies of wood and non-wood substitutes, considering their complete lifecycles;.....[and] to actively promote the utilisation of products and services from forests under sustainable management, as viable alternatives to competing products using non-renewable natural resources, generating more employment and income...."

The timber industry can only be encouraged by the message conveyed within this Resolution. It is be hoped that governments

will follow up the political rhetoric with firm support for promotional and research based activities. The trade faces the challenge of holding European governments to their commitment.

The First Resolution is backed by a second which deals with the thorny issue of defining sustainable forest management on the ground in European forests. A set of "Pan European Operational Level Guidelines for Sustainable Forest Management" have been developed which member countries can adapt, if they wish, to reflect national economic and social conditions. The Guidelines are compatible with the Helsinki "Criteria and Indicators" of sustainable forest management developed earlier to provide a common national reporting framework for monitoring forestry practices throughout Europe. By signing the second Resolution, governments will be committed to distributing the "operational guidelines", or equivalent national standards, to the general public and the forestry sector in Europe. They will also be committed to "encouraging their voluntary use by all interested parties".

The second resolution has implications for the development of timber certification in Europe. The operational guidelines provide a firm foundation for the development of certification standards and systems adapted to European conditions. As the guidelines are pan-European, certification against such standards would avoid trade discrimination within Europe. Broad distribution of the guidelines to the general public would also add to public recognition of associated certification programmes.

European Forest Industry Thriving

Three of Europe's largest forest products groups have announced strong improvements in profits during 1998. Finland's UPM-Kymmene, Europe's largest group, announced pre tax profits of FM1.9 billion (\$349m). for the first quarter of 1998, up from FM1.35 billion for the same period last year. SCA, Sweden's leading producer saw pre tax profits nearly double from Skr894million to SKR1.65billion, while

Modo saw an 86% jump from Skr391m to Skr 729m. These increases are due primarily to recent market developments in the paper and pulp sector, which had a very weak first quarter in 1997 but spent the rest of last year in recovery. Worries that the collapsing demand in Asia could lead to a flood of cheap Asian paper and pulp in Europe have been exaggerated.

UK Certification

The UK's Forestry Commission is overseeing the development of certification procedures for UK forests. It has brought together a wide range of interest groups including forest owners, managers, timber trade and industry, and environmentalists, to develop an "audit protocol" for UK forests. The protocol is essentially a check list of requirements that forest managers will have to comply with if they decide to undergo independent assessment of their forestry practices.

The "audit protocol", or certification standard, has been developed using as reference documents the UK Government's National Forest Standard, and a draft FSC "National" Standard. The latter standard had been developed earlier by an FSC Working Group without input from major forestry, trade or government interests. The audit protocol is a compromise between the two standards which the Forest Authority hope will be broadly acceptable to the wide range of interests.

The Forestry Commission has been pushing to get the protocol completed by May so that they can put it before the FSC Board who are meeting towards the end of the month. The Forestry Commission and UK forest sector currently seem inclined to compromise with the FSC in order to ensure their products can be marketed under an FSC label. They are under particular pressure from UK DIY stores to follow this route.

However, the UK's Timber Trade Federation has expressed their concern that the process is being pushed too hard by the FSC deadline and that the protocol might benefit from more detailed discussion. They have also expressed their concern that more account should be taken of ISO rules and procedures in developing the system. In particular they stress that independent certifiers should be recognised as competent by the United Kingdom Accreditation Service. These latter measures are seen as necessary to ensure the system retains its credibility within industry and to the broader international community.

Indonesia on the brink

continued from page 1

proach. Current reports suggest that export taxes on logs will be reduced to 20% by the end of 1998, and to 10% by the end of 1999. Whether there is real political will to implement these measures, which were announced only a few days before an IMF meeting to discuss further financial aid for Indonesia, remains uncertain. Industry contacts in Indonesia remain very sceptical that Indonesia will be willing to allow the export of unprocessed logs and sawn timber.

The possibility of Indonesia reducing export taxes on primary forest products, has further implications for forest management in the country. There has been a fear that exporters would be encouraged to liquidate their forest assets to sell on the international market to obtain much needed foreign exchange. This threat may have been over-stated. In the short term, there is unlikely to be sufficient international demand to drive the process. The major importers of Indonesian forest products, South Korea and Japan, face severe economic difficulties. Demand for Indonesian plywood in these countries has reduced by 30%. As a result, Indonesia's Minister of Forestry predicts that the countries wood related exports will actually drop by 25% in 1998.

The Indonesian Government has also stressed that, if they do eliminate export taxes, they will be replaced by increased rents and royalties in the forest. These measures are intended to ensure producers pay the full extraction and environmental costs of exploiting Indonesia's forests, while eliminating the bias against production of primary products for export.

Other sweeping reforms in national forest policy have also been proposed with a view to improving Indonesian forestry regulation. Reforms include a reduction in land conversion targets to environmentally sustainable levels, the implementation of a system of performance bonds for forest concessions by the end of 1998, and new mechanisms to allocate funds to reforestation. These measures appear reassuring, as they are meant to. However, the serious economic crises within Indonesia will inevitably reduce the level of priority accorded to forestry issues within the country and may weaken regulatory structures. Indonesia's commitment to ITTO's Objective 2000 may be under threat. These problems come at a particularly bad time for the Indonesian forestry sector, which is already suffering the impact of the worst fires for decades.

SHARE PRICES FOR SOME U.K. COMPANIES								
	52 Week	52 Week	05-Jan	02-Feb	02-Mar	01-Apr	26-May	
	<u>High</u>	Low						
J. Latham	201	168	188	189	189	201	201	
Meyer International	451	328	385	332	379	396	430	
Travis Perkins	628	436	508	458	558	609	605	
Barratt Devs.	329	221	230	242	281	320	326	
John Laing	380	309	323	322	315	366	361	
Alfred McAlpine	180	112	134	142	151	176	168	
J. Mowlem	144	77	88	85	86	123	125	
George Wimpey	149	92	105	93	124	126	131	
Cornwell Parker	187	146	163	161	181	159	152	

	EXCHANGE RATES FOR ONE POUND STERLING							
		<u>02-Feb</u>	<u>02-Mar</u>	<u>03-Apr</u>	<u>22-May</u>			
Australia	Aus.\$	2.3857	2.4169	2.5222	2.5838			
Bangladesh	Taka	74.3109	76.2331	76.8558	75.6358			
Belgium	Belgian Fr.	61.6396	61.6779	63.2606	59.2180			
Belize	B\$	3.2700	3.2930	3.3199	3.2672			
Bolivia	Boliviano	8.8127	8.9240	9.0966	9.0011			
Botswana	Pula	6.2891	6.2850	6.4596	6.3695			
Brazil	Real	1.8363	1.8608	1.8891	1.8813			
Fr. Africa*	CFA Fr.	1000.950	1002.600	1027.560	962.750			
Chile	Peso	743.926	740.349	754.862	740.919			
China	Yuan	13.5354	13.6312	13.7439	13.5256			
Denmark	Danish Krone	11.3896	11.3910	11.6934	10.9422			
Fiji	Fiji\$	3.0996	3.1848	3.2327	3.2575			
France	Franc	10.0095	10.0260	10.2756	9.6275			
Germany	D-mark	2.9888	2.9880	3.0664	2.8708			
Ghana	Cedi	3744.16	3782.84	3844.45	3785.88			
Guyana	Guyanese \$	234.295	237.096	239.531	235.729			
Hong Kong	HK\$	12.6525	12.7480	12.8625	12.6563			
India	Rupee	63.4707	64.7898	65.5598	66.4222			
Indonesia	Rupiah	17167.60	14571.60	14441.60	17888.0			
Irish Republic	Punt	1.1937	1.2076	1.2182	1.1410			
Italy	Lira	2948.31	2946.33	3024.68	2831.11			
Japan	Yen	207.318	208.002	223.662	221.688			
Kenya	K. Shilling	98.1002	98.7901	98.8086	103.244			
Korea South	Won	2491.74	2688.74	2401.95	2260.09			
Liberia	Liberian \$	1.6350	1.6465	1.6600	1.6336			
Malaysia	Ringgit	6.8361	6.0509	6.2912	6.1999			
Myanmar	Kyat	10.2215	10.2934	10.3775	10.2059			
Netherlands	Guilder	3.3679	3.3702	3.4548	3.2353			
Nigeria	Naira	35.7836	36.0353	36.3297	35.7530			
Papua N G	Kina	2.9118	2.9775	3.2839	3.3649			
Philippines	Peso	69.7328	65.6955	65.1531	63.1387			
Portugal	Escudo	305.811	305.928	314.063	293.966			
Singapore	Singapore \$	2.8073	2.6690	2.7033	2.6718			
Solomon Is.	SI\$	7.6484	7.7022	7.7651	7.8362			
South Africa	Rand	8.0720	8.1362	8.3695	8.3134			
Spain	Peseta	253.417	253.586	260.396	243.937			
Taiwan	\$	55.6686	52.8132	54.7294	54.9061			
Tanzania	Shilling	1023.61	1060.99	1078.88	1056.86			
Thailand	Baht	86.2464	70.9642	68.1411	64.2414			
Uganda	New Shilling	1880.25	1885.24	1913.92	1976.66			
U.S.A	US \$	1.6350	1.6465	1.6600	1.6336			
Venezuala	Bolivar	834.962	851.241	870.852	876.680			
Vietnam	Dong	20095.0	21360.0	21544.5	21205.8			
Dm.Rp.Congo	Zaire+	224812.4	226393.7	228243.0	217268.8			
Zimbabwe	\$	27.7953	26.6734	26.7806	29.8949			

^{*}Cameroon, CAR, Congo, Gabon & Cote d'Ivoire

SUBSCRIPTIONS

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⁺ Currency is scheduled to change from Zaires to Congolese francs