INPUT OUTPUT INC Form SC 13G/A May 10, 2004

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION STATEMENT PURSUANT TO RULES 13d-1 AND 13d-2

Under the Securities Exchange Act of 1934 (Amendment No. 1)

INPUT OUTPUT INC

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

457652105

(CUSIP Number)

April 30, 2004

(Date Of Event which Requires Filing of this Statement)

Check the following box if a fee is being paid with this statement [X].

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 457652105 13G Page 2 of 8 Pages

1. NAME OF REPORTING PERSON(S)
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON(S)

Morgan Stanley IRS # 39-314-5972

2.	CHECK THE	APPRO	PRIATE BOX IF A	MEMBER OF	A GROUP*	(a) (b)	_	=	
3.	SEC USE ON	LY							
4.			PLACE OF ORGANI						
	The state	of or	ganization is D 	elaware. 					
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING		5.	SOLE VOTING PO	WER					
		6.	SHARED VOTING 16,485	POWER					
P	ERSON WITH	7.	SOLE DISPOSITI	VE POWER					
		8.	SHARED DISPOSI 16,485	TIVE POWER					
9.	AGGREGATE	AMOUN	F BENEFICIALLY	OWNED BY EA	CH REPORTING	F PERS	ON		
10.	CHECK BOX	IF TH	E AGGREGATE AMO	UNT IN ROW	(9) EXCLUDES	CERT	'AIN	SHARES	3*
11.	PERCENT OF	CLAS	S REPRESENTED B	Y AMOUNT IN					
12.	TYPE OF RE	PORTI	NG PERSON*						
	IA, CO								
		*	SEE INSTRUCTION	S BEFORE FI	LLING OUT!				
CUSIP	No. 4576521	05	13G		Pag	ge 3	of	8 Page)S
1.	NAME OF REPORTING PERSON(S) S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON(S) Morgan Stanley & Co. Incorporated IRS # 13-265-5996								
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [] (b) []								
3.	SEC USE ONLY								
4.	4. CITIZENSHIP OR PLACE OF ORGANIZATION								
	The state	of or	ganization is D	elaware.					

		23gar - milgritti 21 2211 21 112 1 3111 23 133/1						
SHARES BENEFICIALLY OWNED BY EACH REPORTING		5. SOLE VOTING POWER 0						
		6. SHARED VOTING POWER 16,485 7. SOLE DISPOSITIVE POWER 0						
9.		AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	16 , 485							
10.	CHECK BOX	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*						
11.	PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)						
	.03%							
12.		EPORTING PERSON*						
	BD, CO							
	No. 4576521	Name of Issuer: INPUT OUTPUT INC						
	(b)	Address of Issuer's Principal Executive Offices: 11104 W AIRPORT BLVD SUITE 200 STAFFORD, TX 77477						
Item 2	. (a)	Name of Person Filing: (a) Morgan Stanley (b) Morgan Stanley & Co. Incorporated						
	(b)	Address of Principal Business Office, or if None, Residence: (a) 1585 Broadway New York, New York 10036						
		(b) 1585 Broadway New York, New York 10036						
	(c)	Citizenship: Incorporated by reference to Item 4 of the cover page pertaining to each reporting person.						
	(d)							
	(e)	CUSIP Number: 457652105						

- Ttem 3. (a) Morgan Stanley is a parent holding company.
 - (b) Morgan Stanley & Co. Incorporated is a Broker Dealer registered under section 15 of the Securities Exchange Act of 1934.

CUSIP No. 457652105

13-G Page 5 of 8 Pages

Item 4. Ownership.

> Incorporated by reference to Items (5) - (9) and (11) of the cover page.

- (a) Morgan Stanley is filing solely in its capacity as the parent company of, and indirect beneficial owner of securities held by, one of its business units.
- Item 5. Ownership of Five Percent or Less of a Class.

Inapplicable

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

> Accounts managed on a discretionary basis by Morgan Stanley & Co. Incorporated, a wholly owned subsidiary of Morgan Stanley, are known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from, the sale of such securities. No such account holds more than 5 percent of the class.

See item 4 (a)

- Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reported on By the Parent Holding Company.
- Identification and Classification of Members of the Group. Item 8.
- Item 9. Notice of Dissolution of Group.
- Item 10. Certification.

By signing below I certify that, to the best of $my\ knowledge\ and$ belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purpose or effect.

CUSIP No. 457652105

13-G

Page 6 of 8 Pages

Signature.

After reasonable inquiry and to the best of my knowledge and

belief, I certify that the information set forth in this statement is true, complete and correct.

Date: May 15, 2004

Signature: /s/ Dennine Bullard

Name/Title Dennine Bullard/Executive Director Morgan Stanley & Co. Inc.

MORGAN STANLEY

Date: May 15, 2004

Signature: /s/ Dennine Bullard

Name/Title Dennine Bullard/Executive Director Morgan Stanley & Co. Inc.

MORGAN STANLEY & CO. INCORPORATED

EXHIBIT 1 Agreement to Make a Joint Filing 7

EXHIBIT 2 Secretary's Certificate Authorizing Dennine Bullard 8 to Sign on behalf of Morgan Stanley

EX-99 JOINT FILING AGREEMENT

13-G

CUSIP No. 457652105

Page 7 of 8 Pages

EXHIBIT 1 TO SCHEDULE 13G

MAY 15, 2004

MORGAN STANLEY and MORGAN STANLEY & CO. INCORPORATED,

hereby agree that, unless differentiated, this

Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Dennine Bullard

^{*} Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

Dennine Bullard/Executive Director, Morgan Stanley & Co. Inc.

MORGAN STANLEY & CO. INCORPORATED

BY: /s/ Dennine Bullard

Dennine Bullard/ Vice President Morgan Stanley & Co. Incorporated

* Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

EX-99.1 SECRETARY'S CERTIFICATE

CUSIP No. 457652105

Page 8 of 8 Pages

EXHIBIT 2

MORGAN STANLEY

SECRETARY'S CERTIFICATE

I, Charlene R. Herzer, a duly elected and Assistant Secretary of Morgan Stanley, a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), certify as follows:

- (1) Donald G. Kempf, Jr. is the duly elected Executive Vice President, Chief Legal Officer and Secretary of the Corporation;
- (2) Pursuant to Section 7.01 of the Bylaws of the Corporation and resolutions approved by the Board of Directors of the Corporation on September 25,1998, the Chief Legal Officer is authorized to enter into agreements and other instruments on behalf of the Corporation and may delegate such powers to others under his jurisdiction; and
- (3) Donald G. Kempf signed a Delegation of Authority as of February 23, 2000, which authorized Dennine Bullard to sign reports to be filed under Section 13 and 16 of the Securities Exchange Act of 1934 on behalf of the Corporation. Such authorization is in full force and efect as of this date.

IN WITNESS WHEREOF, I have hereunto set my name and affixed the seal of the Corporation as of the 5th day of February, 2003.

Charlene R. Herzer Assistant Secretary