

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Cavanagh William</u> <hr/> (Last) (First) (Middle) <u>350 HILLS STREET</u> <u>SUITE 106</u> <hr/> (Street) <u>RICHLAND WA 99354</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>IsoRay, Inc. [ ISR ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer Other (give title (specify below) below) <u>Vice President</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/27/2014</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)
			Code	V	Amount	(A) or (D)	Price		
Common Stock	05/27/2014		M		15,000	A	\$0.84	15,000	D
Common Stock	05/27/2014		M		15,571	A	\$0.99	30,571	D
Common Stock	05/27/2014		S		30,571	D	\$2.22	0	D

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		
Stock Options (1)	\$0.84	05/27/2014(2)		M			15,000	(4)	01/08/2020	Common Stock	15,000	\$0	0(3)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		
Stock Options (1)	\$0.99	05/27/2014(2)		M			15,571	(4)	06/07/2021	Common Stock	15,571	\$0	7,774(3)

**Explanation of Responses:**

- right to buy.
- the option became exercisable in three equal installments ending on January 8, 2013.
- since the date of the reporting person's last ownership report, he has transferred employee stock options to purchase an aggregate of 49,965 shares of ISR common stock to his ex-wife pursuant to a domestic relations order. The reporting person no longer reports as beneficially owned any securities by his ex-wife.
- the option became exercisable in three equal installments with two-thirds of the option shares exercisable as of June 30, 2013, and the remaining one-third will become exercisable on June 30, 2014.

s/William Cavanagh      06/24/2014

\*\* Signature of Reporting Person      Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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